

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Parcel S85-036

12524 Mandalay Way

HOUSTON, TEXAS

for

CITY OF HOUSTON

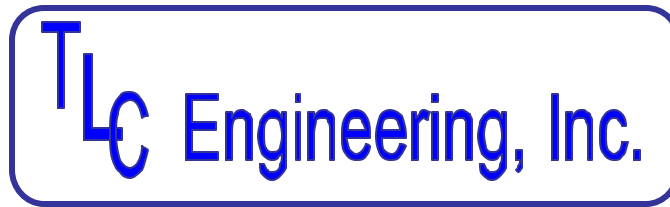


Building Services Department

TLC Engineering, Inc.

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Office: 713.868-6900 Fax: 713.868-001

July, 2005
Report No: 0601-06



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July 29, 2005

Mr. Gabriel Mussio
Building Services Department, City of Houston
900 Bagby, City Hall Annex 2nd Floor
Houston, Texas 77208

Reference: Phase I Environmental Site Assessment – Parcel S85-036 - 12524 Mandalay Way,
Houston, Texas 77045

Dear Mr. Mussio:

Contained within this transmittal are the results of the Phase I Environmental Site Assessment performed for the above referenced project. This report presents data and recommendations for the above site. This study was authorized as per our communication for our professional services.

We thank you for allowing us to work with you on this project and look forward to opportunities to work with you and the City of Houston Building Services in the future.

Sincerely yours,

Tony L. Council, P.E.
President

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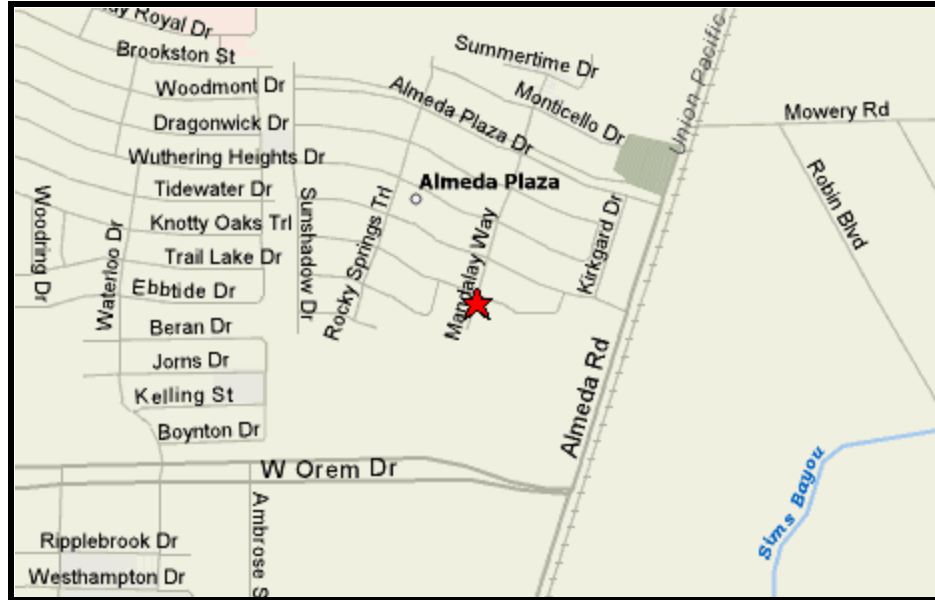
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1. EXECUTIVE SUMMARY

TLC Engineering, Inc. has completed a Phase I Environmental Site Assessment (ESA) at 12524 Mandalay Way in southeast Houston, Texas. The purpose of this study was to identify previous and current land use activities that could represent environmental concerns to the proposed project.



The project site is located northwest of the intersections of West Orem Drive and Alameda Road and is situated in an area of land use which includes residential development.

The available information for this project is summarized below:

- Historical information indicates that the project site is situated in a fully developed, urbanized community with land usage consisting of residential, multi-residential development and commercial development.
- The project area is underlain by clayey soils associated with the Lissie Formation. Groundwater for domestic, commercial, and industrial uses are produced from the Chicot and Evangeline aquifers where it is pumped generally from depths of 400 feet or greater.
- A review of regulatory databases revealed nine (9) regulated sites of concern; one (1) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), and one (1) No Further Remedial Action Planned (NFRAP), two (2) RCRIS (Resource Conservation and Recovery Information System Treatment, Storage or Disposal (RCRA-TSD), one (1) Corrective Record sites (CORRACTS), three (3) TCEQ Solid Waste Facilities, and one (1) Texas Voluntary Cleanup Program (TXVCP) listings.

Research indicated nine (9) regulated sites were found in environmental records. After carefully reviewing the environmental records, site reconnaissance, and current and historical industrial and commercial activity at the project site and adjacent properties, there is no evidence of adverse environmental impacts to the project site. Therefore, TLC Engineering is not recommending further investigation.

Please note that this executive summary does not fully relate our findings and opinions. Those findings and opinions are only related through our full report.

2. INTRODUCTION

2.1 Purpose

The purpose of this study is to identify, to the extent feasible, recognized environmental conditions that may exist along the project site. Recognized environmental conditions, in this case means the presence or likely presence of any hazardous substances or petroleum products along the project site from conditions that a past release occurred of any hazardous substances or petroleum products into structures along the project site or into the ground, groundwater, or surface water along the project site. This does not include conditions that generally do not present a material risk of harm to public health, the environment, and contractors working for the City of Houston.

2.2 Detailed Scope of Services

The Phase I ESA along the project site described herein conforms to the ASTM Standard Practice E 1527-00 and ECRE Standard Practice.

- (1) Environmental regulatory agency summary records were obtained for sites regulated near the project site. Following initial review, additional information was obtained through file review, field observations, and interviews.
- (2) Available historical maps, aerial photos, and directories were obtained and reviewed to determine if current or prior land owner/occupants may have engaged in activities on adjacent properties which may have been an environmental concern.
- (3) Available geologic literature was reviewed to characterize the geologic, physiographic, and hydro geologic setting to determine potential release pathways.
- (4) A site reconnaissance was performed to conduct interviews, verify environmental and historical records, identify current land-use activities, and identify potential areas of environmental concern based on current conditions and development.
- (5) This report was prepared summarizing our findings, conclusions, and recommendations.

2.3 Significant Assumptions

This ESAI is intended for use by the City of Houston and its contractors to assess the environmental conditions of the herein described project site. This ESAI is intended primarily as an approach to conducting an inquiry designed to identify recognized environmental conditions in connection with the project site. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time

and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. This environmental site assessment meets and/or exceeds E 1527-00 and is presumed to be valid for a period of one hundred eighty (180) days.

2.4 Limitations and Exceptions

This report is an instrument of service of TLC Engineering, Inc. The report was prepared for and is intended for the exclusive use of the City of Houston and its contractors. Any other party without the express written permission of TLC Engineering, Inc. may not rely upon the report's contents. The report's findings are based upon conditions that existed on the date of TLC Engineering, Inc.'s site visit and available records and should not be relied upon to precisely represent conditions at any other time. Certain indicators of the presence of hazardous materials may have been latent at the time of site reconnaissance and may subsequently have become observable. TLC Engineering, Inc. has based the conclusions included in the report on its observation of existing conditions, its interpretation of site history, and its interpretation of the usage it was able to access. All conclusions are qualified by the fact that no borings were drilled and no soil, sediment, or groundwater sampling or chemical testing was conducted. Conclusions about project site conditions under no circumstances comprise a warranty that conditions in all areas within the project site (and below existing grade) are of the same quality that TLC Engineering, Inc. has inferred from observable project site conditions and readily available project site history.

TLC Engineering, Inc. reserves the right to alter our conclusions and recommendations based on our review of any information obtained after the date of this report. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar conditions, by environmental consultants practicing in this or similar localities. No warranty, express or implied, is made as to the professional information included in this report.

2.5 Special Terms and Conditions

Not Applicable.

2.6 User Reliance

The City of Houston has provided TLC Engineering, Inc. with site location information related to the project site. The City of Houston has not reported to TLC Engineering, Inc. any environmental liens encumbering the project site or any specialized knowledge or experience that would provide important information about previous ownership or uses of the project site that may be material to identifying recognized environmental conditions. TLC Engineering, Inc.'s findings and opinions must be considered probabilities based on professional judgment applied to the limited data TLC Engineering, Inc. was able to gather during the course of the site assessment.

3 SITE DESCRIPTION

3.1 Location and Legal Description

Physical Location

12524 Mandalay Way, Parcel S85-036, Houston, Texas 77045 – Reserve B, Block 17 of the Almeda Plaza Section Three Subdivision, Key Map 572L, 29° 38.205'N Latitude - 95° 24.807'W Longitude.

3.2 Site and Vicinity Characteristics

The project site, approximately 11,434 square feet, is located at 12524 Mandalay Way in Houston, Harris County. Site can be accessed from major thoroughfares in the area, Almeda and Tidewater streets. The site is the former Almeda Plaza Water Plant site.

3.3 Descriptions of Structures

There are no structures on the project site.

3.4 Use of Property

The site is currently governmental exempt property.

3.5 Current Use of Adjoining Property

Directly to the north is vacant property and to the west is residential property, 2515 and 2511 Trail Lake Drive.

4 USER-PROVIDED INFORMATION

4.1 Title Records

Title research and investigation was not required by Building Services.

4.2 Environmental Liens

No knowledge of environmental liens regarding this site was transmitted to TLC Engineering, Inc. by the City of Houston.

4.3 Special Knowledge

No specialized knowledge of Recognized Environmental Concerns (RECs), Historical Recognized Environmental Concerns (HRECs) or other potential environmental concerns were reported by the City of Houston.

4.4 Valuation Reduction for Environmental Issues

No property valuation reduction relating to environmental concerns was reported by the City of Houston.

4.5 Owner, Property Manager and Occupant Information

City of Houston

4.6 Reason for Performing Phase I

The Phase I ESA is intended to identify and document any recognized environmental concerns that may exist on the subject property.

5. RECORDS REVIEW

TLC Engineering, Inc. reviewed federal and state agency databases obtained from TelALL Corporation, HAZMAT, and TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - TCEQ (formerly Texas Natural Resource Conservation Commission - TNRCC) for nearby regulated sites to determine their status, and to identify specific addresses and site names that would aid in conducting our field reconnaissance. The general boundary of the search area includes the project site and extends about five hundred feet (500) from the project site for most sites, and one (1) mile for federal and state superfund sites, and federal hazardous waste sites. The environmental sites are shown on the Environment Site Summary Map on Plate 2 of this report. A copy of the environmental records reports obtained from TelALL Corporation is included in Appendix I.

A complete list of all government records searched is included in the TelALL report in the Appendix I.

5.1 Standard Environmental Record Sources Search Results

A review of regulatory databases revealed that nine (9) map locations representing environmental site listings are located at or near the project site. All regulatory database searches were performed in compliance with the suggested ASTM E 1527-00 and City of Houston ECRE requirements. A complete list of all government records searched is included in the TelALL report found in the Appendix B. The following is a summary of the information provided

ACRONYM	DATABASE	MINIMUM SEARCH DISTANCE (mile)	FINDINGS
NPL	National Priority List – A subset of the CERCLIS list created to track contaminated sites.	1	0
According to information listed in the TelALL regulatory data report, there are no findings of NPL sites within the search distance.			
CERCLIS	EPA Comprehensive Environmental Response, Compensation, and Liability Information System list. The CERCLIS contains sites, which are either proposed or on the National Priorities List (NPL).	0.5	1
.59 NE	GULF STATES PAINT COMPANY	12230 ROBIN BOULEVARD	
According to information listed in the TelALL regulatory data report, there is one (1) finding of CERCLIS sites within the search distance. This site does not pose a risk to the project site. EPA ID NUMBER TXD000012609 Status: Not on the NPL. Dates are given .			
NFRAP	The NFRAP indicates that No Further Remedial Action is Planned . Sites on NFRAP are the sites that have been removed from the CERCLIS list by the U.S. Environmental Protection Agency. These sites are no longer considered a federal concern, and most are also a low priority for the state.	0.5	1
.28 NE	A. B. CHANCE COMPANY	12317 ALMEDA ROAD	
According to information listed in the TelALL regulatory data report, there is one (1) finding of NFRAP sites within the search distance. This site does not pose a risk to the project site. EPA ID NUMBER TXD079417515 Status: Not on the NPL. Dates are given .			

RCRA TSD	Resource Conservation and Recovery Information System – Treatment Storage or Disposal. The EPA maintains a database of the Treatment, Storage and Disposal (TSD) of hazardous waste from reporting facilities under the Resource Conservation and Recovery Act (RCRA).	1	2
.58 NE	SOUTH COAST ENERGY	12354 Amelia Dr	
.84 NE	STATE WIDE WASTE SYSTEMS INC	12303 Amelia Dr	

According to information listed in the TelALL regulatory data report, there are two (2) findings of RCRA-TSD sites within the search distance. These site should not pose a risk to the project site provided they remain in compliance with federal and state regulations.

South Coast Energy
Site EPA ID: TXD988064796 Date of starting TSD activities 19920313
TSD Activities: - TSD type undefined by EPA
Contact Information: WILLIAM NELSON 12354 AMELIA DR HOUSTON TX 77045 tel. 7134340300
No NAIC (North American Industrial Classification) Codes are available for the site.

State Wide Waste Systems, Inc.
Site EPA ID: TXD000803239 Date of starting TSD activities 20010801
TSD Activities: - TSD type undefined by EPA
Contact Information: LOUIS SABIA PO BOX 450849 HOUSTON TX 77245 tel. 210-677-8863
NAIC (North American Industrial Classification) Code(s):
213112

RCRA G	Resource Conservation and Recovery Information System –Generators	.025	0
According to information listed in the TelALL regulatory data report, there are no findings of RCRA-G sites within the search distance,			

CORRACT	Lists RCRIS (Resource Conservation and Recovery Information System) Corrective Record sites that are currently or have had in the past corrective action.	1	1
.60 NE	A B CHANCE COMPANY	12317 Almeda Rd	
According to information listed in the TelALL regulatory data report, there is one (1) findings of CORRACT sites within the search area. CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently or have had in the past corrective action The RCRA Corrective Action Program requires investigation and cleanup of releases of hazardous wastes and hazardous constituents that pose an unacceptable risk at RCRA hazardous waste treatment, storage and disposal facilities. Facility evaluations, conducted by EPA or the State, are based on human health and environmental risks posed by actual or potential releases to the environment, potential migration pathways, target receptors, and waste characteristics.			
A B CHANCE COMPANY Site EPA ID: TXD079417515 Date of starting activities 20010214 TSD Activities: - TSD type undefined by EPA Contact Information: BILLIE HUFFMAN N ALLEN STREET CENTRALIA MO 65240 tel. 713-433-2401 NAIC (North American Industrial Classification) Code(s): -332312-335313-			

ERNS	The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.	.025	0
According to information listed in the TelALL regulatory data report, there are no findings of ERNS sites within the search area.			

TXVCP	Texas Voluntary Cleanup Program (VCP)- provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites.	.05	1
.61 NE	Houston Export Crating Company (HECCO)	12317 Almeda Rd	

According to information listed in the TelALL regulatory data report, there is one (1) finding of TXVCP sites within the search area. This site should not pose a risk to the project site.

Houston Export Crating Company (HECCO)

VCP ID: 0587 - Date VCP application was received: 8/6/1997. The site is in the Completed phase. VCP

Certificate Type: F (C is conditional / F is Final).

Facility Type: Metal Fabrication and Galvanizing Facility. Site Acres: 33. Contaminant type: Metals, TPH.

The type of media affected: Soils. Type of remedy: Excavation.

Applicants name: Livingston Group. The Consultant/Attorney is Haynes and Boone (tel) 713-547-2062.

EPA ID: TXD079417515 Solid Waste registration number: 30491.

TXIOP	The Texas IOP provides a certificate to an Innocent Owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.	.05	0
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According to information listed in the TelALL regulatory data report, there are no findings of TXIOP sites within the search area.

TXSSF	Texas Super Fund Sites - States waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.	1	0
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According to information listed in the TelALL regulatory data there are findings of TXSSF sites within the search area.

LF	TCEQ Solid Waste Facilities - inventory of solid waste disposal facilities or landfills.		1	3
.51 NE	Energy Combustion Corp.	12108 Alameda Rd.; Approx. 4 Miles South Of South Loop 610.		
.51 NE	Energy Combustion Corp.	11128 Alameda Road; Approx 1.6 Mi South Of South Loop 610		
.63 NE	BFI Waste Sys. of N. Amer.	1110 Holmes Rd		

According to information listed in the TelALL regulatory data report, there are three (3) findings of LF sites within the search area. These sites should not pose a risk to the project site.

ENERGY COMBUSTION CORP.

Site ID: 1555.00 - Date permit app. was received: 9/8/83.

The site is a SOLID WASTE INCINERATION FACILITY W/O ENERGY RECOVERY. The site is a PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

The permit/app status is APPLICATION WITHDRAWN. Business type: . Original facility acreage: 0.17.

Population served by the facility: 0.00. the area served by the facility is not specified.

Tons received per day by the facility: 3. The yards received by the facility per day 0.00. The estimated closing date of the facility 1/1/1901.

ENERGY COMBUSTION CORP.

Site ID: 1673.00 - Date permit app. was received: 1/23/84.

The site is a SOLID WASTE INCINERATION FACILITY W/O ENERGY RECOVERY. The site is a PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

The permit/app status is APPLICATION WITHDRAWN. Business type: . Original facility acreage: 0.28.

Population served by the facility: 0.00. the area served by the facility is not specified.

Tons received per day by the facility: 3. The yards received by the facility per day 0.00. The estimated closing date of the facility 1/1/1901.

BFI WASTE SYS. OF N.AMER.

Site ID: 38.00 - Date permit app. was received: 1/21/75.

The site is a SANITARY LANDFILL, DAILY COVER REQUIRED (POPULATION EQUIVALENT SERVED EXCEEDS 5,000 PEOPLE). The site is a PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

The permit/app status is SITE UNDER POST CLOSURE CARE. Business type: . Original facility acreage:

75.00. Population served by the facility: 1000000.00. Area served by the facility: HOUSTON.

Tons received per day by the facility: 0. The yards received by the facility per day 140.00. The estimated closing date of the facility 2/1/79.

LFUN	Unauthorized and Unpermitted Landfill Sites - Unauthorized sites have no permit and are considered abandoned.	0.5	0
According to information listed in the TelALL regulatory data report, there on no findings of LFUN sites within the search area.			

TXLUST	TCEQ Leaking Petroleum Storage Tank Incident Report. This list identifies facilities known to have leaks or spills associated with their underground or aboveground systems.	0.5	0
According to information listed in the TelALL regulatory data report, there are no findngs listed on the TXLUST within the search area.			

TXUST	TCEQ Registered Under Ground Storage Tanks. This list identifies parties who own or operate aboveground storage tanks containing petroleum products or hazardous materials.	0.25	0
According to information listed in the TelALL regulatory data report, there are no findings listed on the TXUST sites within the search area. These sites should not pose a high risk to the project site provided they remain in compliance with state and federal regulations.			

TXAST	TCEQ Registered Above Ground Storage Tanks. This list identifies parties who own or operate aboveground storage tanks containing petroleum products or hazardous materials.	0.25	0
According to information listed in the TelALL regulatory data report, no sites are listed on the TXAST within the search area.			

TXSPILLS	TCEQ Spills Database- Texas Commission on Environmental Quality tracks cases where emergency response is needed for cleanup of toxic substances.	0.25	0
According to information listed in the TelALL regulatory data report, there are no findings of TXSPILLS listed within the search area.			

5.2 Additional Environmental Record Sources

The Houston Fire Department HAZMAT (Hazardous Materials Response Unit) was contacted and requested to provide information on past Hazardous Material. This material is included in Supporting Documentation, Appendix III.

5.3 Physical Setting Sources

a. Topography

A review of the United States Geological Survey (U.S.G.S.) 1998 Park Place 7.5 Minute topographic quadrangle map shows that the elevation of the project site is fifty-two (52) feet above mean sea level (MSL). (Plate 3).

Geology and Soil Characteristics

A review of the Bureau of Economic Geology 1982 Quadrangle Atlas of Texas, Houston Sheet 122 indicates that the uppermost geologic formation underlying the project site is a Lissie Formation dating back to the Pleistocene era. This formation dips gently towards the Gulf of Mexico. The formation also underlies non-related soils on the coastal area

that consist primarily of clays, silts, and sands which were deposited, in fluvial (river-derived) environments.

The Soil Survey of Harris County indicates that the project site occurs within an urban soil association. In general, in an urban soil association these soils consist of built-up areas mostly covered by buildings. Consequently, the soils making up urban land are not able to be classified. (See Plate 5)

Groundwater Characteristics

In the Houston area groundwater occurs in two main aquifers, the Chicot and the Evangeline Aquifers. The Chicot is the shallowest aquifer. The deeper Evangeline aquifer, which lies underneath the Chicot aquifer, is the major source of groundwater for the Houston metropolitan area. Both aquifers dip gently toward the coast. Shallower groundwater is also encountered in this area of Houston. Typically, the shallow water-bearing zones are first encountered at depths of 10 feet or more below ground surface.

b. Flood Zones

Federal Emergency Management Agency (FEMA) – Flood Insurance Rate Maps (FIRM) on which floodplain zones are delineated are included in Plates Section. The project site is located in Zone X – Other Flood Areas, areas of 0.2% annual chance of flood, areas of 0.1% annual chance of flood with average depths of less than one (1) foot or with drainage areas with less than one (1) square mile; and areas protected by levee from 1% annual flood.

c. Wetlands

Wetlands determination was not within the scope of work.

5.4 Historical Use Information on the Site and Adjoining Property

a. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were not available for this portion of the city.

b. Aerial Photography

Seven (7) sets of aerial photographs were located for the subject property and can be found in Appendix II. Photographs from 1944, 1953, 1969, 1979, 1989, 1995, and 2002 were available. A brief description of the project site and adjoining sites is found below.

- | | |
|-----------|--|
| 4-3-1944 | The aerial photograph shows the project site to be in a rural and undeveloped area. Alameda Road is evident to the east of the project site. |
| 4-25-1953 | Project site appears unchanged from the 1944 photo. |
| 2-21-1969 | This photo shows a densely populated area of Alameda Plaza Section Three Subdivision. Mandalay Way and project site is evident. |

3-25-1979	This photo appears unchanged from previous photo.
10-9-1989	Project site appears as it in 1979.
2-1995	Project site appears as it in 1989.
2002	Project site appears as it is today.

c. Historical Directories

Historical city directories for Houston, Texas located in the Texas and Local History Department of the Houston Public Library were reviewed for this project. Information obtained is located in Appendix III, Supporting documents.

6. SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Site reconnaissance was performed on July 14, 2005 by automobile and on foot. Purposes of the site reconnaissance were to observe the site and adjacent sites for characteristics, spills, corrective actions, and other potential environmental concerns, and to document present land uses. Photographs taken during the site reconnaissance are included in the report.

6.2 General Site Setting

The project site is located in a residential land use area southeast of the downtown business district. Project site is surrounded by chain link fencing. Site access was gained from Mandalay Way. The site bounds Reserve A, Block 17 of Almeda Plaza Section 3 and to the west is residential property, 2515 and 2511 Trail Lake Drive. Mandalay Way bound the eastern property border.

Site Photography



Sidewalk on property



Chain link fence along the northern property boundary

6.3 Exterior Observations

Not applicable.

6.4 Interior Observations

Not applicable.

7. INTERVIEWS

7.1 Interviews with Owner

Not Applicable.

7.2 Interview with Site Manager

Not Applicable

7.3 Interviews with Occupants

Not Applicable.

7.4 Interviews with Local Government Officials

The Houston Fire Department Hazardous Materials (HAZMAT) division, Senior Captain Troy Lilley, was contacted to provide response information for the project site and surrounding areas for this report. The list of Response Team incidents from January 1994 through the present date is included in Appendix III. The data provided did not list HAZMAT responses that adversely impacted project site.

7.5 Interviews with Others

Interviewed Gabriel Mussio, City of Houston – Building Services. He was not aware of any potential environmental impacts but did provide legal description of site location.

The following individuals/businesses were contacted to request information regarding the project site:

- Anonymous resident – Only lived in area three (3) years and was not aware of any adverse environmental impacts.
- Anonymous resident – Lived in neighborhood for over twenty (20) years.
Complained of the need for more frequent maintenance to property and of illegal dumping on area to the north of the project site.

8. FINDINGS

“Recognized environmental conditions” are defined by ASTM as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, ground water, or surface water of the property”.

Research indicated nine regulated sites (9) were found in environmental records and of these, no regulated sites of Recognized Environmental Concerns (RECs) were listed

within the search area. The information in the database was reviewed for current status of listings as of July 27, 2005.

9. OPINIONS

Based on the information obtained in this study, TLC Engineering, Inc. is of the opinion that there is no potential for soil and/or groundwater contamination to impact the project site.

10. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 on proposed project site. Any exceptions to or deletions from this practice are described in Section 2 and 11 of this report. This assessment has revealed potential for recognized environmental conditions in connection with the project site.

11. DEVIATIONS

This study did deviate slightly from the ASTM Practice to account for the City of Houston ECRE requirements (Appendix III). Search radii for environmental database information was five hundred (500) feet instead of directly adjacent or one half (.5) mile for all records except NPL, CERCLIS, and State Superfund, which was one (1) mile. Chain of Title records were not included and were not required.

12. ADDITIONAL SERVICES

Not Applicable.

13. REFERENCES

The following references were used to compile this report:

Bureau of Economic Geology, 1992, Geologic Atlas of Texas, Houston Sheet 122,
University of Texas at Austin
US Geological Survey, 1995. Park Place - Houston, Texas 7.5 Minute Topographic
Quadrangle Map (1:24,000)
US Geological Survey, 2000. Park Place - Houston, Texas 7.5 Minute Topographic
Quadrangle Map (1:24,000)

The following individuals, vendors, and agencies were contacted during the course of this study:

TelALL Environmental Data Research, Austin, Texas
Texas Natural Resource Information System (TNRIS)
City of Houston Fire Department, HAZMAT Division – Sr. Captain Troy Lilley
City of Houston Building Services – Gabriel Mussio
Houston Public Library

14. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Ms. Linda Gamble
Certified Environmental Management Specialist # 2005

July 29, 2005
Date

15. QUALIFICATIONS OF RESPONSIBLE ENVIRONMENTAL PROFESSIONAL

The primary investigator for this Phase I ESA is Ms Linda Gamble. Ms. Gamble is NREP, Certified Environmental Management Specialist, #2005, has done Environmental Consulting for seven (7) years and has completed Environmental Site Assessments using ASTM criteria for six (6) years. Ms. Gamble's extensive computer, database, desktop publishing, Internet, and interviewing skills were utilized in gathering and manipulating data used in the generation of this report.

Plates

**PLATE 1
SITE VICINITY MAP**

**PLATE 2
ENVIRONMENTAL SITE SUMMARY
MAP**

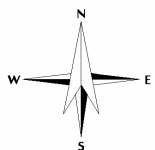
**PLATE 3
TOPOGRAPHIC MAP**

**PLATE 4
FEMA-FIRM MAP PANEL - 48201C0870L**

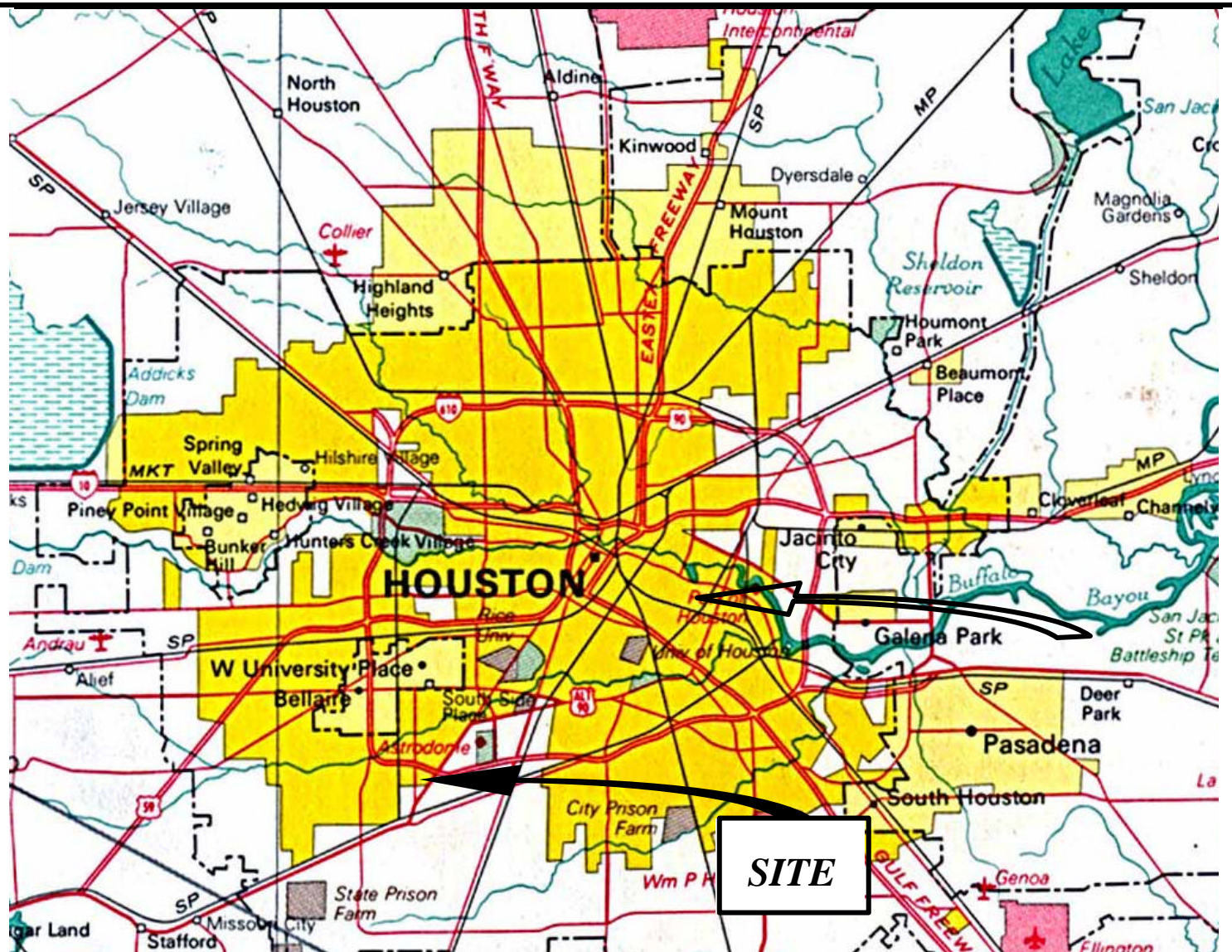
**PLATE 5
SOIL SURVEY**

SITE
VICINITY
MAP

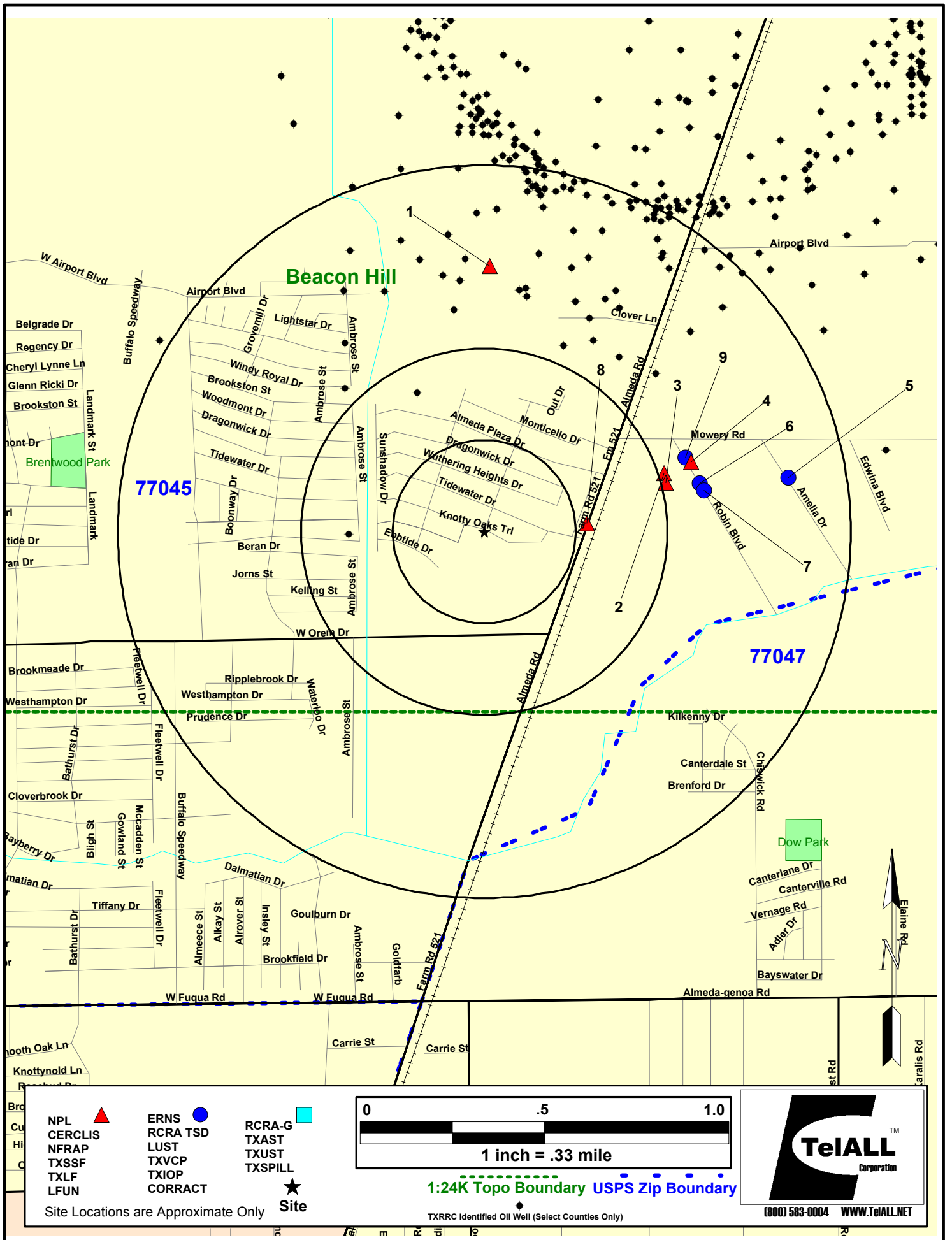
PLATE 1



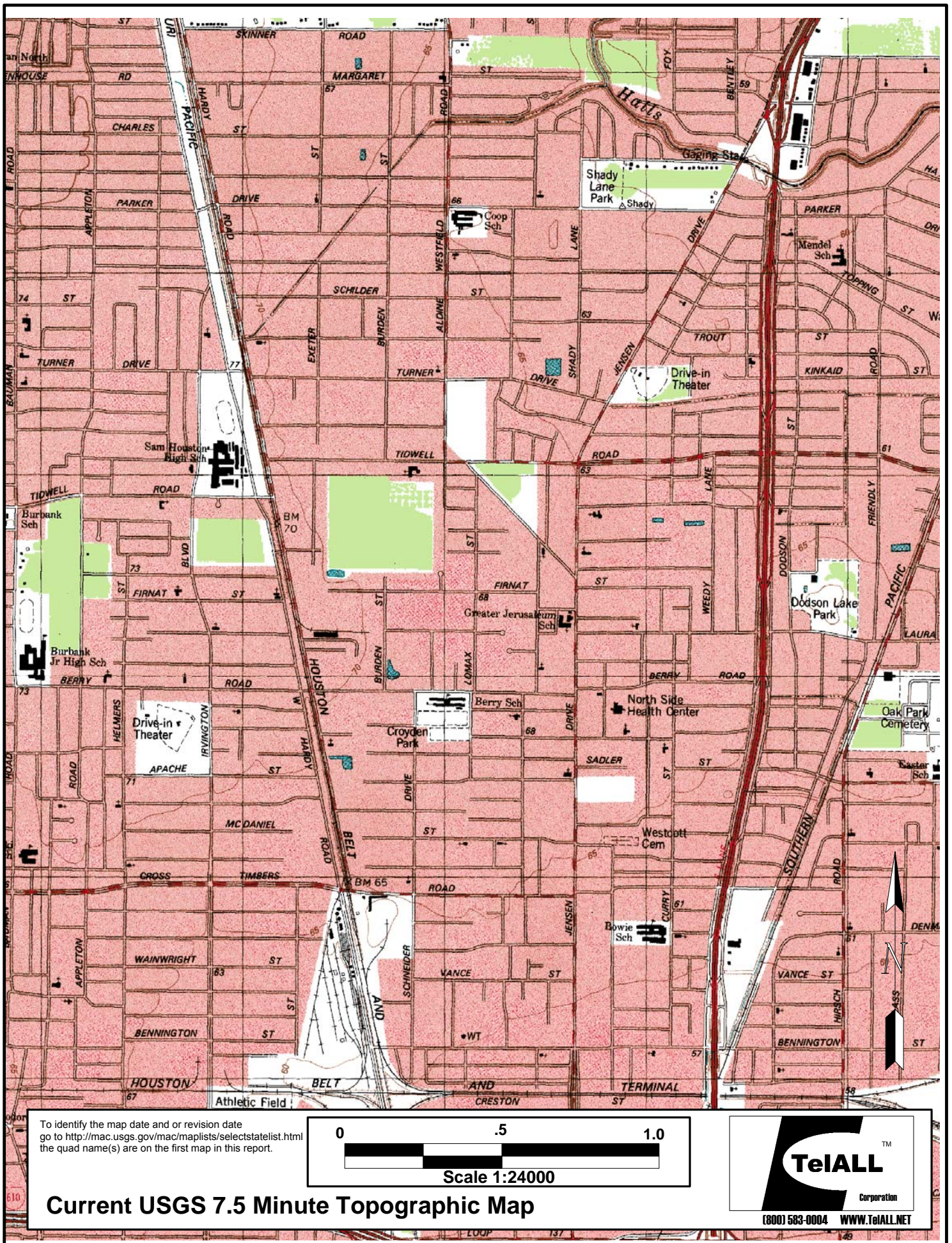
06/2005



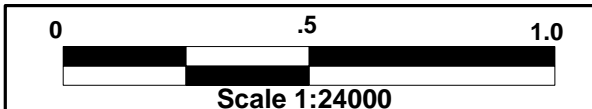
PARCEL - S85-036 - 12524 MANDALAY WAY



12524 MANDALAY WAY - ENVIRONMENTAL SITE SUMMARY MAP



To identify the map date and/or revision date
go to <http://mac.usgs.gov/mac/maplists/selectstatelist.html>
the quad name(s) are on the first map in this report.



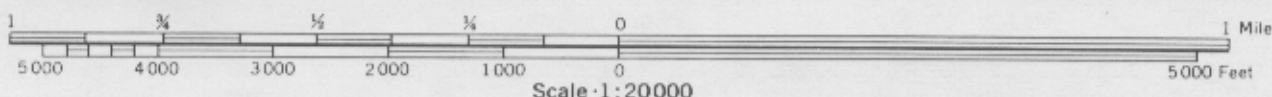
Current USGS 7.5 Minute Topographic Map



(800) 583-0004 WWW.TelALL.NET

9011 Lomax - Topographic Map

PLATE 5 SOIL SURVEY



(Join sheet 113)

[illegible]

(Joins sheet 123)

685 00 FEET

HARRIS COUNTY, TEXAS NO. 122

This map is compiled on 1972 aerial photography by the U.S. Department of Agriculture, Soil Conservation Service and cooperating agencies. Coordinate grid lines and land division corners, if shown, are approximately positioned.

Appendix I

Regulatory Data Report



Environmental Data Search

for the site

12524 Mandalay Way, Harris County, TX

performed for

TLC Engineering

7/28/2005

TLCE6631

www.TelALL.net

(800) 583-0004 by fax (512) 472-4466

Sites Sorted By Distance from Center

 Page 1
 Job TLCE6631
 Date 7/28/2005

12524 Mandalay Way, Harris County, TX

 Site
 Distance/Direction Database Number Address

City/State

Site Name

							TXIOP ERNS NPL RCRA-G TXAST TXUST TXLUST TXSSF TXSPILL LFUN	NO FINDINGS WITHIN 1/2 MILE. NO FINDINGS WITHIN 1/4 MILE. NO FINDINGS WITHIN ONE MILE. NO FINDINGS WITHIN 1/4 MILE. NO FINDINGS WITHIN 1/4 MILE. NO FINDINGS WITHIN 1/4 MILE. NO FINDINGS WITHIN 1/2 MILE. NO FINDINGS WITHIN ONE MILE. NO FINDINGS WITHIN 1/4 MILE. NO FINDINGS WITHIN 1/2 MILE.
.28								
	N E	NFRAP	8	12317 ALMEDA ROAD	HOUSTON			A. B. CHANCE COMPANY
.51								
	N E	TXLF	3	12108 ALMEDA RD.; APPROX. 4 MILES SO	HOUSTON			ENERGY COMBUSTION CORP.
.51								
	N E	TXLF	2	11128 ALMEDA ROAD; APPROX 1.6 MI S	HOUSTON			ENERGY COMBUSTION CORP.
.58								
	N E	RCRA TSD	9	12354 AMELIA DR	HOUSTON			SOUTH COAST ENERGY
.59								
	N E	CERCLIS	4	12230 ROBIN BOULEVARD	HOUSTON			GULF STATES PAINT COMPANY
.6								
	N E	CORRACT	6	12317 ALMEDA RD	HOUSTON			A B CHANCE COMPANY
.61								
	N E	TXVCP	7	12317 ALMEDA RD	HOUSTON			HOUSTON EXPORT CRATING COMPA
.63								
	N E	TXLF	1	1110 HOLMES RD	HOUSTON			BFI WASTE SYS. OF N.AMER.
.84								
	N E	RCRA TSD	5	12303 AMELIA DR	HOUSTON			STATE WIDE WASTE SYSTEMS INC

12524 Mandalay Way, Harris County, TX

NPL**National Priority List**

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and

amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA

also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties.

Source: EPA, (703) 603-8852

Database: NPL

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

CERCLIS

Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation

from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund

Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets.

Source: EPA/ NTIS, (703) 413-0223

Database: CERCLIS

Site: GULF STATES PAINT COMPANY

Dir./Distance (in Miles) N E .59

Map Number: 4

Address: 12230 ROBIN BOULEVARD

Zip Code: 77045

City: HOUSTON

EPA ID NUMBER TXD000012609 STATUS: NOT ON THE NPL. DATES ARE GIVEN (YYYYMMDD).

20000105	DISCOVERY
20000727	REMOVAL
20000928	INTEGRATED ASSESSMENT
20000928	SITE INSPECTION
20000928	REMOVAL ASSESSMENT
20001128	NON-NPL PRP SEARCH
20010301	COMMUNITY INVOLVEMENT
20010425	PREPARATION OF COST DOCM PKGE
20030828	PREPARATION OF COST DOCM PKGE
20040309	PREPARATION OF COST DOCM PKGE

NFRAP

No Further Remedial Action Planned

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995.

Source: EPA/NTIS, (703) 413-0223

Database: NFRAP

Site: A. B. CHANCE COMPANY

Dir./Distance (in Miles) NE .28

Map Number: 8

Address: 12317 ALMEDA ROAD

Zip Code: 77045

City: HOUSTON

EPA ID NUMBER TXD079417515 STATUS: NOT ON THE NPL. DATES ARE GIVEN (YYYYMMDD).

METAL FABRICATION FACILITY.

19890501

19890701

19890701

RCRA TSD**Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list. RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

Source: EPA/ NTIS, (800) 424-9346

Database: RCRA TSD
Site: SOUTH COAST ENERGY
Dir./Distance (in Miles) N E .58
Map Number: 9
Address: 12354 AMELIA DR
Zip Code: 77045-4814
City: HOUSTON

*SITE EPA ID: TXD988064796 DATE OF STARTING TSD ACTIVITIES (YYYYDDMM) 19920313
TSD ACTIVITIES: - TSD TYPE UNDEFINED BY EPA
CONTACT INFORMATION: WILLIAM NELSON 12354 AMELIA DR HOUSTON TX 77045 TEL.
7134340300
NO NAIC (NORTH AMERICAN INDUSTRIAL CLASSIFICATION) CODES ARE AVAILABLE FOR THE
SITE.*

Database: RCRA TSD
Site: STATE WIDE WASTE SYSTEMS INC
Dir./Distance (in Miles) N E .84
Map Number: 5
Address: 12303 AMELIA DR
Zip Code: 77045-4813
City: HOUSTON

*SITE EPA ID: TXD000803239 DATE OF STARTING TSD ACTIVITIES (YYYYDDMM) 20010801
TSD ACTIVITIES: - TSD TYPE UNDEFINED BY EPA
CONTACT INFORMATION: LOUIS SABIA PO BOX 450849 HOUSTON TX 77245 TEL. 210-677-8863
NAIC (NORTH AMERICAN INDUSTRIAL CLASSIFICATION) CODE(S):
213112*

12524 Mandalay Way, Harris County, TX

CORRACT**Corrective Action**

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently or have had in the past corrective action.

Source: EPA, (800) 424-9346

Database: CORRACT
Site: A B CHANCE COMPANY
Dir./Distance (in Miles) NE .6
Map Number: 6
Address: 12317 ALMEDA RD
Zip Code: 77045-4742
City: HOUSTON

*SITE EPA ID: TXD079417515 DATE OF STARTING ACTIVITIES (YYYYDDMM) 20010214
TSD ACTIVITIES: - TSD TYPE UNDEFINED BY EPA
CONTACT INFORMATION: BILLIE HUFFMAN N ALLEN STREET CENTRALIA MO 65240 TEL. 713-433-2401
NAIC (NORTH AMERICAN INDUSTRIAL CLASSIFICATION) CODE(S):
-332312-335313-*

19920514	CA PRIORITIZATION-MEDIUM CA PRIORITY
----------	--------------------------------------

RCRA-G**Resource Conservation and Recovery Information System - Generators**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list.

RCRA-G tracks facilities that fall under the generators or transporters classification.

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste.

SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste.

LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: EPA/ NTIS, (800) 424-9346

Database: RCRA-G
Site: No findings within 1/4 mile.
Dir./Distance (in Miles)
Map Number:
Address:
Zip Code:
City:

ERNS

Emergency Response Notification System

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan.

Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

Source: EPA/ NTIS, (202) 260-2342

Database: ERNS

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

12524 Mandalay Way, Harris County, TX

TXVCP**Texas Voluntary Cleanup Program**

Created under HB 2296, The Texas Voluntary Cleanup Program (VCP) was established on 9/01/1995 to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since future lenders and landowners receive

protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or under used properties may be restored to economically productive or community beneficial uses. After cleanup, the parties receive a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are released from all liability to the State.

Parts of the above description were taken from the TCEQ/VCP Website. (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>)

The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE.

Contaminant Categories (PERC and BTEX). Source: TCEQ, (512) 239-5891

Database: TXVCP

Site: Houston Export Crating Company (HECCO)

Dir./Distance (in Miles) N E .61

Map Number: 7

Address: 12317 ALMEDA RD

Zip Code: 77045-4742

City: HOUSTON

VCP ID: 0587 - DATE VCP APPLICATION WAS RECEIVED: 8/6/1997. THE SITE IS IN THE COMPLETED PHASE. VCP CERTIFICATE TYPE: F (C IS CONDITIONAL / F IS FINAL).

FACILITY TYPE: METAL FABRICATION AND GALVANIZING FACILITY. SITE ACRES: 33. CONTAMINANT TYPE: METALS, TPH. THE TYPE OF MEDIA AFFECTED: SOILS. TYPE OF REMEDY: EXCAVATION.

APPLICANTS NAME: LIVINGSTON GROUP. THE CONSULTANT/ATTORNEY IS HAYNES AND BOONE (TEL) 713-547-2062.

EPA ID: TXD079417515 SOLID WASTE REGISTRATION NUMBER: 30491.

TXIOP**Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not loc. on the prop., and they

did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However,

unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website.
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>)*

Source: TCEQ, (512) 239-5891

Database: TXIOP

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXSSF**Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation.

Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency.

Source: TCEQ, (512) 239-5680

Database: TXSSF

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXLF**TCEQ Solid Waste Facilities**

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills.

Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

Source: TCEQ, (512) 239-6786

Database: TXLF

Site: ENERGY COMBUSTION CORP.

Dir./Distance (in Miles) NE .51

Map Number: 3

Address: 12108 ALMEDA RD.;APPROX. 4 MILES SOUTH OF SOUTH LOOP 610.

Zip Code: 11501

City: HOUSTON

SITE ID: 1555.00 - DATE PERMIT APP. WAS RECEIVED: 9/8/83.

THE SITE IS A SOLID WASTE INCINERATION FACILITY W/O ENERGY RECOVERY. THE SITE IS A PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

THE PERMIT/APP STATUS IS APPLICATION WITHDRAWN. BUSINESS TYPE: . ORIGINAL FACILITY ACREAGE: 0.17. POPULATION SERVED BY THE FACILITY: 0.00. THE AREA SERVED BY THE FACILITY IS NOT SPECIFIED.

TONS RECEIVED PER DAY BY THE FACILITY: 3. THE YARDS RECEIVED BY THE FACILITY PER DAY 0.00.THE ESTIMATED CLOSING DATE OF THE FACILITY 1/1/1901.

APPLICANTS NAME, ADDRESS, & TEL.: ENERGY COMBUSTIO

Database: TXLF

Site: ENERGY COMBUSTION CORP.

Dir./Distance (in Miles) NE .51

Map Number: 2

Address: 11128 ALMEDA ROAD; APPROX 1.6 MI SOUTH OF SOUTH LOOP 610

Zip Code: 11501

City: HOUSTON

SITE ID: 1673.00 - DATE PERMIT APP. WAS RECEIVED: 1/23/84.

THE SITE IS A SOLID WASTE INCINERATION FACILITY W/O ENERGY RECOVERY. THE SITE IS A PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

THE PERMIT/APP STATUS IS APPLICATION WITHDRAWN. BUSINESS TYPE: . ORIGINAL FACILITY ACREAGE: 0.28. POPULATION SERVED BY THE FACILITY: 0.00. THE AREA SERVED BY THE FACILITY IS NOT SPECIFIED.

TONS RECEIVED PER DAY BY THE FACILITY: 3. THE YARDS RECEIVED BY THE FACILITY PER DAY 0.00.THE ESTIMATED CLOSING DATE OF THE FACILITY 1/1/1901.

APPLICANTS NAME, ADDRESS, & TEL.: ENERGY COMBUSTIO

Database: TXLF

Site: BFI WASTE SYS. OF N.AMER.

Dir./Distance (in Miles) NE .63

Map Number: 1

Address: 1110 HOLMES RD

Zip Code: 77045-1102

City: HOUSTON

SITE ID: 38.00 - DATE PERMIT APP. WAS RECEIVED: 1/21/75.

THE SITE IS A SANITARY LANDFILL, DAILY COVER REQUIRED(POPULATION EQUIVALENT SERVED EXCEEDS 5,000 PEOPLE). THE SITE IS A PROPOSED SITE (PERMIT HAS NOT BEEN ISSUED BEFORE FOR THIS SITE).

THE PERMIT/APP STATUS IS SITE UNDER POST CLOSURE CARE. BUSINESS TYPE: . ORIGINAL FACILITY ACREAGE: 75.00. POPULATION SERVED BY THE FACILITY: 1000000.00.

AREA SERVED BY THE FACILITY: HOUSTON.
TONS RECEIVED PER DAY BY THE FACILITY: 0. THE YARDS RECEIVED BY THE FACILITY PER
DAY 140.00. THE ESTIMATED CLOSING DATE OF THE FACILITY 2/1/79.
APPLICANTS NAME, ADDRESS, & TEL.: BFI WASTE SYS. O

LFUN

Unauthorized and Unpermitted Landfill Sites

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

Source: TCEQ, (512) 239-6786

Database: LFUN

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXLUST

Leaking Underground Storage Tanks

LUST is a list of known tank releases maintained by Texas Commission on Environmental Quality (TCEQ).

Source: TCEQ, (512) 239-2200

Database: TXLUST

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXUST

Texas Underground Storage Tanks

Underground Storage Tanks - Permitted underground storage tanks are tracked by Texas Commission on Environmental Quality (TCEQ). This list is also maintained by the TCEQ.

Source: TCEQ, (512) 239-2160

Database: TXUST

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXAST

Texas Above Ground Storage Tanks

Above Ground Storage Tanks - Permitted above ground storage tanks are tracked Texas Commission on Environmental Quality (TCEQ). This list is also maintained by the TCEQ.

Source: TCEQ, (512) 239-2160

Database: TXAST

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXSPILL

Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

Source: TCEQ, (512) 239-3282

Database: TXSPILL

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible.

Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77045	CERCLIS ERNS	GULF STATES PAINT COMPANY	12230 ROBIN BOULEVARD	HOUSTON	29.63463	-95.407582
		COASTAL CORPORATION	11650 ALMEDA ROAD	HOUSTON	29.6476	-95.4061
		GRIFFIN CORP.	1300 ALAMEDA	HOUSTON		
		GRIFFIN LLC	12701 ALMEDA RD	HOUSTON	29.625765	-95.414856
			12701 ALMEDA RD	HOUSTON	29.624238	-95.41549
	NFRAP		12701 ALMEDA RD	HOUSTON	29.624238	-95.41549
		WITCO	3200 BROOKFIELD	HOUSTON	29.615177	-95.424403
		A. B. CHANCE COMPANY	12317 ALMEDA ROAD	HOUSTON	29.632225	-95.412193
		BROWNING-FERRIS IND-HOLMES	1110 HOLMES RD	HOUSTON	29.6628	-95.4222
		HOUSTON CHEMICAL SERVICE C	12229 ALAMEDA RD.	HOUSTON		
		HOUSTON LEAD	300 HOLMES ROAD	HOUSTON	29.65474	-95.439332
		HOUSTON LIGHT & POWER H O C	12100 HIRAM CLARKE RD @ S MAIN	HOUSTON		
		KOCIDE CHEMICAL CORPORATIO	12701 ALMEDA RD	HOUSTON	29.625765	-95.414856
		MCDONALD-TRAHAN TRASH PIC	5203 BELGRADE DR	HOUSTON	29.638743	-95.441735
		ROBIN BOULEVARD DRUMS	12233 ROBIN BLVD.	HOUSTON	29.634627	-95.407456
	TXLF	BFI	E OF S EXIT PETRO LA S HOLMES	HOUSTON		
	TXLUST	BROWNING-FERRIS INC	ON US290,4.8M NW HOUSTON CTY L	HOUSTON		
		ELLWOOD TEXAS FORGE	AMELIA	HOUSTON	29.63564	-95.404315
		EXXON 62339	13350 ALAMEDA @ EUQUA	HOUSTON	29.644744	-95.4255911
		HAL BURMAN	HIRAM CLARK	HOUSTON	29.726112	-95.3918295
		SST FOOD STORE	HIRAM-CLARK	HOUSTON	29.726112	-95.3918295
		STOP N GO	7406 W FUQUA	HOUSTON	29.615239	-95.464908
	TXSPILL	Amoco Pipeline Co.	AMOCO RD. off Hwy. 69	Houston		
		CHAMPION CHEMICAL INCORPO	SMITHVILLE ON HWY 71	HOUSTON		
		COSTAL STATES CRUDE GATHR	SUMP OVERFLOWED IN DITCH ON S	HOUSTON		
		EXXON	FM 1314 & HWY 59 INTERSECTION I	HOUSTON		
			FM 1314 & HWY 59 INTERSECTION I	HOUSTON		
		EXXON BULK TERMINAL	INTERSECTION OF ALAMEDA & HOL	HOUSTON		
		EXXON USA	8015 EAST FREEWAY, EAST FREEW	HOUSTON	29.733339	-95.433335
			EXXON STATION AT ALAMO & DELM	HOUSTON		
		Griffon Corp	Griffon Corp, 12701 Almeda Road	Houston	29.625765	-95.414856
		GULF OIL	S. LIBERTY OIL FIELD	HOUSTON		
		GULF REFINING CO.	A.P. GEORGE RANCH, CLOSE TO C	HOUSTON		
			BEHIND 106 & 108 TANGELWOOD, B	HOUSTON		
			BULL OIL FIELD - N OR HWY770, NE	HOUSTON		
			GOOSE CREEK OIL FILED, BAYTOW	HOUSTON		
			IN TRUNING BASIN OF LIBERTY DO	HOUSTON		
			LYNCHBURG-RAYWOOD PIPELINE	HOUSTON		
	TXUST	HOUSTON LIGHTING & POWER	HL&P TELVIEW SUBSTATION @ 550	HOUSTON		
			HL&P TELVIEW SUBSTATION @ 550	HOUSTON		
		KOCIDE CHEMICAL CO.	SIMS BAYOU, .5mi. DOWNSTREAM F	HOUSTON		
		MAT CHEMICAL	NEAR RAILROAD TRACK SIDING @	HOUSTON		
		STOP N GO 7046 W FUQUA	7046 W FUQUA	HOUSTON	29.615239	-95.464908
			7046 W FUQUA	HOUSTON	29.615239	-95.464908
			7046 W FUQUA	HOUSTON	29.615239	-95.464908
			12233 ROBIN	HOUSTON	29.633528	-95.406657
			915 Holmes Rd	Houston	29.6625	-95.4235
			934 Holmes Rd	Houston	29.6625	-95.4235
77045-100	ERNS	MAT CHEMICALS	12233 ROBIN	HOUSTON	29.633528	-95.406657
	TXLUST	MISCHER HARRIS CONSTRUCTIO	915 Holmes Rd	Houston	29.6625	-95.4235
		CCM PLANT 8	934 Holmes Rd	Houston	29.6625	-95.4235
	TXAST	HOLMES RM 16	936 Holmes Rd	Houston	29.6625	-95.4235
		922 HOLMES RD	922 Holmes Rd	Houston	29.6625	-95.4235
	TXUST		922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
			922 Holmes Rd	Houston	29.6625	-95.4235
	TXVCP	HOLMES RM 16	936 Holmes Rd	Houston	29.6625	-95.4235
	TXUST	922 Holmes Road	922 Holmes Rd	Houston	29.6625	-95.4235
		SOUTHERN PETROLEUM LABOR	110 S Petro Ln	Houston	29.6568	-95.4319
	TXLF	BFI WASTE SYS. OF N.AMER.	1110 Holmes Rd	Houston	29.6628	-95.4222
	TXSPILL	Texas Brine Corporation	3000 Feldman St # 77045	Houston	29.6569	-95.4156
		LOPEZ-GLORIA EQUIPMENT CO I	1550 Holmes Rd	Houston	29.667182	-95.407575
	TXAST	WILLIAMS BROTHERS CONSTRU	1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
77045-101	TXUST		1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
77045-110	TXLF		1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
77045-120	TXSPILL		1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575



FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77045-120	TXAST	WILLIAMS BROTHERS CONSTRU	1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
			1550 Holmes Rd	Houston	29.667182	-95.407575
77045-120	TXSPILL	GULF PRECISION INDUSTRIES	9420 Knight Rd # 77045	Houston	29.6688	-95.3996
77045-122	TXUST	EXXONMOBIL REFINING & SUPPL	10617 Almeda Rd	Houston	29.6675	-95.398
			10617 Almeda Rd	Houston	29.6675	-95.398
			10617 Almeda Rd	Houston	29.6675	-95.398
			10617 Almeda Rd	Houston	29.6675	-95.398
77045-122	TXSPILL	EXXON SOUTH TERMINAL	10501 Almeda Rd # 77051	Houston	29.6692	-95.3974
77045-123		CITY OF HOUSTON	1900 Holmes Rd	Houston	29.6684	-95.4033
77045-150	TXAST TXUST	TOWN & COUNTRY CONCRETE IN RIGGERS & CONSTRUCTORS INT	202 Holmes Rd	Houston	29.654029	-95.441552
			200 Holmes Rd	Houston	29.654016	-95.441597
			200 Holmes Rd	Houston	29.654016	-95.441597
			202 Holmes Rd	Houston	29.654029	-95.441552
			202 Holmes Rd	Houston	29.654029	-95.441552
77045-160	CORRACT TXUST TXVCP	HOUSTON LEAD COMPANY HOUSTON LEAD CO INC	300 Holmes Rd	Houston	29.65474	-95.439332
			300 Holmes Rd	Houston	29.65474	-95.439332
			300 Holmes Rd	Houston	29.65474	-95.439332
77045-160	TXAST TXLF	GUZMAN TRUCKING MAGNOLIA DEVELOPMENT, INC	450 Holmes Rd	Houston	29.657749	-95.434191
			400 Holmes Rd	Houston	29.656337	-95.436016
77045-200	TXLUST TXUST	KMART 4197	12401 S Post Oak Rd	Houston	29.647363	-95.46387
			12401 S Post Oak Rd	Houston	29.647363	-95.46387
			12401 S Post Oak Rd	Houston	29.647363	-95.46387
			12401 S Post Oak Rd	Houston	29.647363	-95.46387
77045-201		SOUTH POST OAK CIRCLE A	12838 S Post Oak Rd	Houston	29.641676	-95.463793
			12838 S Post Oak Rd	Houston	29.641676	-95.463793
			12803 Hiram Clarke Rd	Houston	29.64103	-95.44647
77045-221		EAGLE FOOD MART	12803 Hiram Clarke Rd	Houston	29.64103	-95.44647
			12803 Hiram Clarke Rd	Houston	29.64103	-95.44647
			12803 Hiram Clarke Rd	Houston	29.64103	-95.44647
			12803 Hiram Clarke Rd	Houston	29.64103	-95.44647
77045-231	RCRA-G TXLUST TXSPILL TXUST	METROPOLITAN TRANSIT AUTHO HIRAM CLARKE BUS OPERATING METROPOLITAN TRANSIT AUTHO HIRAM CLARKE BUS OPERATING	4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
			4175 Uptown Dr	Houston	29.646564	-95.441992
77045-260	ERNS TXSPILL	EL PASO Coastal States Crude Gathering	11750 Almeda Rd	Houston	29.6455	-95.407
			11750 Almeda Rd	Houston	29.6455	-95.407
			11750 Almeda Rd	Houston	29.6455	-95.407
			11750 Almeda Rd	Houston	29.6455	-95.407
			11750 Almeda Rd	Houston	29.6455	-95.407
77045-261	RCRA-G TXAST TXSPILL	VALERO LOGISTICS OPERATION TEXAS BRINE CORP PIERCE JUN	11650 Almeda Rd Ste A	Houston	29.6476	-95.4061
			11650 Almeda Rd	Houston	29.6476	-95.4061
			11650 Almeda Rd	Houston	29.6476	-95.4061
			Coastal States	Houston	29.6476	-95.4061
			Coastal States Crude Gathering	Houston	29.6476	-95.4061
			11650 Almeda Rd	Houston	29.6476	-95.4061
			11650 Almeda Rd	Houston	29.6476	-95.4061
			COASTAL STATES PRODUCING C	Houston	29.6476	-95.4061
			TEXAS BRINE CORP PIERCE JUN	Houston	29.6476	-95.4061
			ECONOMY MUD PRODUCTS	Houston	29.640216	-95.458368
77045-301	TXLUST TXUST	ECONOMY MUD PRODUCTS COM	12930 Nitida St	Houston	29.640216	-95.458368
			12930 Nitida St	Houston	29.640216	-95.458368
			12930 Nitida St	Houston	29.640216	-95.458368
77045-303	TXLUST TXUST	CRANE TEX INC CRANETEX INC	5148 Lotus St	Houston	29.635202	-95.459142
			5148 Lotus St	Houston	29.635202	-95.459142
			5148 Lotus St	Houston	29.635202	-95.459142
			5148 Lotus St	Houston	29.635202	-95.459142
77045-310	TXLUST TXUST	SOUTH WEST SPECIALTY FOODS UNKNOWN	13124 Player St	Houston	29.636301	-95.449668
			13124 Player St	Houston	29.636301	-95.449668
			13124 Player St	Houston	29.636301	-95.449668
			13124 Player St	Houston	29.636301	-95.449668
			13124 Player St	Houston	29.636301	-95.449668
77045-320	TXVCP	Pilgrim Cleaners - Hiram Clarke	13015 Hiram Clarke Rd	Houston	29.63757	-95.446401
77045-320	TXIOP	13000 Hiram Clarke Road	13000 Hiram Clarke Rd	Houston	29.637139	-95.446488
77045-330	TXUST	Q T FOOD STORE	13103 Hiram Clarke Rd	Houston	29.63604	-95.446372
			13103 Hiram Clarke Rd	Houston	29.63604	-95.446372
			13103 Hiram Clarke Rd	Houston	29.63604	-95.446372
77045-330		RESALE SHOP	13215 Hiram Clarke Rd	Houston	29.634816	-95.446372
77045-330	TXLUST TXUST	TRANCO FOOD MART INC TRANCO FOOD MART	13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
			13301 Hiram Clarke Rd	Houston	29.633763	-95.44637

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77045-330	TXUST	TRANCO FOOD MART	13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
			13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
			13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
			13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
			13301 Hiram Clarke Rd	Houston	29.633763	-95.44637
77045-370	RCRA-G TXAST	FLUIDS MANAGEMENT LTD ENDEGAS CORP	12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
			12102 Almeda Rd	Houston	29.6355	-95.411
77045-372	TXUST	SUNNYS	12170 Almeda Rd	Houston	29.6348	-95.4113
			12170 Almeda Rd	Houston	29.6348	-95.4113
			12170 Almeda Rd	Houston	29.6348	-95.4113
77045-372	RCRA-G TXUST	SOUTHERN FOREST PRODUCTS HOUSTON CHEMICAL SERVICE C	12229 Almeda Rd	Houston	29.633635	-95.411573
			12229 Almeda Rd	Houston	29.633635	-95.411573
			12229 Almeda Rd	Houston	29.633635	-95.411573
77045-372		NELEZ INC	12202 Almeda Rd	Houston	29.633	-95.412
			12202 Almeda Rd	Houston	29.633	-95.412
			12202 Almeda Rd	Houston	29.633	-95.412
77045-400	TXLUST TXUST	GIBEAUX PROPERTY SAVEWAY FOOD MARKET	13515 S Post Oak Rd	Houston	29.630017	-95.46422
			13501 S Post Oak Rd	Houston	29.63014	-95.464126
			13501 S Post Oak Rd	Houston	29.63014	-95.464126
77045-400	TXLUST TXUST	SUNMART 319 POST OAK MOBILE STATION	13500 S Post Oak Rd	Houston	29.630206	-95.464202
			13500 S Post Oak Rd	Houston	29.630206	-95.464202
			13500 S Post Oak Rd	Houston	29.630206	-95.464202
			13500 S Post Oak Rd	Houston	29.630206	-95.464202
			13500 S Post Oak Rd	Houston	29.630206	-95.464202
			13500 S Post Oak Rd	Houston	29.630206	-95.464202
77045-411	RCRA-G	FILTRATION TECHNOLOGY CORP	4949 1/2 W Orem Dr	Houston	29.627275	-95.455915
77045-420	TXUST	HAL BURMAN	13506 Hiram Clarke Rd	Houston	29.630966	-95.446386
			13506 Hiram Clarke Rd	Houston	29.630966	-95.446386
77045-430		TREES INC	13712 Hiram Clarke Rd	Houston	29.628457	-95.446368
77045-430		WADDELLS	4101 W Orem Dr	Houston	29.627571	-95.438196
			4101 W Orem Dr	Houston	29.627571	-95.438196
77045-440		CLOSED GASOLINE FILLING STAT	3903 W Orem Dr	Houston	29.627575	-95.437041
			3903 W Orem Dr	Houston	29.627575	-95.437041
			3903 W Orem Dr	Houston	29.627575	-95.437041
			3903 W Orem Dr	Houston	29.627575	-95.437041
			3903 W Orem Dr	Houston	29.627575	-95.437041
77045-440		COASTAL BANC SAVINGS ASSOC	4030 W Orem Dr	Houston	29.627685	-95.437694
			4030 W Orem Dr	Houston	29.627685	-95.437694
			4030 W Orem Dr	Houston	29.627685	-95.437694
77045-442	TXLUST TXUST	TEJANI CHEVRON	3655 W Orem Dr	Houston	29.627575	-95.435775
			3655 W Orem Dr	Houston	29.627575	-95.435775
			3655 W Orem Dr	Houston	29.627575	-95.435775
			3655 W Orem Dr	Houston	29.627575	-95.435775
77045-461		SUNNYS FOOD STORE	3504 W Orem Dr	Houston	29.627872	-95.428506
			3504 W Orem Dr	Houston	29.627872	-95.428506
77045-463	TXLUST TXUST	WEST OREM MARKET PLACE WEST OREM MARKET	3420 W Orem Dr	Houston	29.627885	-95.42755
			3420 W Orem Dr	Houston	29.627885	-95.42755
77045-474	CORRACT RCRA-G TXAST	A B CHANCE COMPANY CITY OF HOUSTON ALL METALS PROCESSORS INC	12317 Almeda Rd	Houston	29.632225	-95.412193
			12319 1/2 Almeda Rd	Houston	29.6299	-95.4133
			12335 Almeda Rd	Houston	29.631936	-95.41232
			12335 Almeda Rd	Houston	29.631936	-95.41232
77045-480	TXVCP TXUST	Houston Export Crating Company (H MOWERY SITE	12317 Almeda Rd	Houston	29.632225	-95.412193
			2425 Mowery Rd	Houston	29.635675	-95.407863
77045-481	RCRA TSD RCRA-G TXUST	STATE WIDE WASTE SYSTEMS IN JANUARY ENVIRONMENTAL SER RIGRUNNER TRUCKING COMPAN	12303 Amelia Dr	Houston	29.634325	-95.40321
			12301 Amelia Dr	Houston	29.634352	-95.40323
			12303 Amelia Dr	Houston	29.634325	-95.40321
			12303 Amelia Dr	Houston	29.634325	-95.40321
77045-481	RCRA TSD TXAST	SOUTH COAST ENERGY SOUTH COAST ENERGY INC	12354 Amelia Dr	Houston	29.633556	-95.402762
			12354 Amelia Dr	Houston	29.633556	-95.402762
			12354 Amelia Dr	Houston	29.633556	-95.402762
77045-481	TXAST TXUST	ELLWOOD TEXAS FORGE COMPA	12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
			12500 Amelia Dr	Houston	29.631581	-95.40129
77045-481	TXSPILL TXUST	Gulf States Paint AMERICAN STEEL BUILDING	12230 Robin Blvd	Houston	29.63463	-95.407582
			12218 Robin Blvd	Houston	29.635034	-95.407876
77045-482		INTERNATIONAL CELLULOSE	12315 Robin Blvd	Houston	29.631844	-95.405486

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77045-482	TXUST	INTERNATIONAL CELLULOSE	12315 Robin Blvd	Houston	29.631844	-95.405486
			12315 Robin Blvd	Houston	29.631844	-95.405486
77045-482	TXLUST	SPECIALTY PRODUCTS & EQUIP	12275 Robin Blvd	Houston	29.633213	-95.406428
	TXUST	REDWOOD CHEMICAL INC	12245 Robin Blvd	Houston	29.634223	-95.407162
		SPECIALTY PRODUCTS & EQUIP	12275 Robin Blvd	Houston	29.633213	-95.406428
			12275 Robin Blvd	Houston	29.633213	-95.406428
		VALLEY SOLVENTS & CHEMICAL	12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
			12233 Robin Blvd	Houston	29.634627	-95.407456
	TXVCP	Mat Chemicals (Robin Boulevard Dr	12233 Robin Blvd	Houston	29.634627	-95.407456
77045-482	TXUST	OLD BJ GULF COAST DISTRICT	12303 Edwina Blvd	Houston	29.634801	-95.399801
			12303 Edwina Blvd	Houston	29.634801	-95.399801
77045-500		SUNNYS CONOCO	13717 S Post Oak Rd	Houston	29.628155	-95.465118
			13717 S Post Oak Rd	Houston	29.628155	-95.465118
			13717 S Post Oak Rd	Houston	29.628155	-95.465118
77045-510		SHELL STATION	13803 S Post Oak Rd	Houston	29.627134	-95.465171
			13803 S Post Oak Rd	Houston	29.627134	-95.465171
			13803 S Post Oak Rd	Houston	29.627134	-95.465171
			13803 S Post Oak Rd	Houston	29.627134	-95.465171
77045-513		FIRE STATION 59	13925 S Post Oak Rd	Houston	29.625413	-95.465141
			13925 S Post Oak Rd	Houston	29.625413	-95.465141
77045-523		STOP N GO FOOD N GAS	14109 S Post Oak Rd	Houston	29.622796	-95.465095
			14109 S Post Oak Rd	Houston	29.622796	-95.465095
77045-523	TXLUST	POST OAK FAST STOP	14120 S Post Oak Rd	Houston	29.622635	-95.465188
	TXUST		14120 S Post Oak Rd	Houston	29.622635	-95.465188
			14120 S Post Oak Rd	Houston	29.622635	-95.465188
			14120 S Post Oak Rd	Houston	29.622635	-95.465188
77045-530		METAL FABRICATORS INC	13913 Buxley St	Houston	29.625594	-95.451649
			13913 Buxley St	Houston	29.625594	-95.451649
77045-542		AL FELTS SERVICE	13801 Hiram Clarke Rd	Houston	29.627363	-95.44627
			13801 Hiram Clarke Rd	Houston	29.627363	-95.44627
			13801 Hiram Clarke Rd	Houston	29.627363	-95.44627
77045-580		ALMEDA CITGO	12400 Almeda Rd	Houston	29.657187	-95.402191
			12400 Almeda Rd	Houston	29.657187	-95.402191
77045-580	RCRA-G	GRIFFIN LLC	12701 Almeda Rd	Houston	29.625765	-95.414856
	TXSPILL		12701 Almeda Rd	Houston	29.625765	-95.414856
	TXUST	KOCIDE CHEMICAL CORP	12701 Almeda Rd	Houston	29.625765	-95.414856
77045-605		CTL ENTERPRISES	14530 S Post Oak Rd	Houston	29.615399	-95.464968
77045-605	TXSPILL	HOUSTON LIGHTING & POWER	14450 S Post Oak Rd	Houston	29.616925	-95.465017
77045-605	TXLUST	DUDLEYS PHILLIPS 66	14320 S Post Oak Rd	Houston	29.619315	-95.4651
	TXUST	ADAMS RESOURCES 396	14320 S Post Oak Rd	Houston	29.619315	-95.4651
			14320 S Post Oak Rd	Houston	29.619315	-95.4651
			14320 S Post Oak Rd	Houston	29.619315	-95.4651
			14320 S Post Oak Rd	Houston	29.619315	-95.4651
			14320 S Post Oak Rd	Houston	29.619315	-95.4651
77045-610	RCRA-G	TEXACO STATION	4515 W Fuqua St	Houston	29.613268	-95.446304
	TXUST	MITRAS TEXACO	4515 W Fuqua St	Houston	29.613268	-95.446304
			4515 W Fuqua St	Houston	29.613268	-95.446304
			4515 W Fuqua St	Houston	29.613268	-95.446304
77045-610		MADCO GROCERY	4802 W Fuqua St	Houston	29.613294	-95.451736
			4802 W Fuqua St	Houston	29.613294	-95.451736
			4802 W Fuqua St	Houston	29.613294	-95.451736
			4802 W Fuqua St	Houston	29.613294	-95.451736
			4802 W Fuqua St	Houston	29.613294	-95.451736
77045-620		KWANG SOO PARK	4330 W Fuqua St	Houston	29.613385	-95.442257
			4330 W Fuqua St	Houston	29.613385	-95.442257
			4330 W Fuqua St	Houston	29.613385	-95.442257
			4330 W Fuqua St	Houston	29.613385	-95.442257
77045-620	TXLUST	FIRESTONE STORE 4742 007692	4407 W Fuqua St	Houston	29.613275	-95.443179
	TXUST		4407 W Fuqua St	Houston	29.613275	-95.443179
77045-620	TXLUST	MOBIL 12KXO	4444 W Fuqua St	Houston	29.613385	-95.44432
	TXUST	MOBIL 12 KXO	4444 W Fuqua St	Houston	29.613385	-95.44432
			4444 W Fuqua St	Houston	29.613385	-95.44432
			4444 W Fuqua St	Houston	29.613385	-95.44432
		WEST FUQUA CONOCO	4444 W Fuqua St	Houston	29.613385	-95.44432
			4444 W Fuqua St	Houston	29.613385	-95.44432
			4444 W Fuqua St	Houston	29.613385	-95.44432
			4444 W Fuqua St	Houston	29.613385	-95.44432

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77045-643	TXUST	SUNNYS FOOD STORE	14623 Buffalo Speedway	Houston	29.614582	-95.430847
			14623 Buffalo Speedway	Houston	29.614582	-95.430847
		UNKNOWN	14625 Buffalo Speedway	Houston	29.614556	-95.430845
			14625 Buffalo Speedway	Houston	29.614556	-95.430845
			14625 Buffalo Speedway	Houston	29.614556	-95.430845
77045-643	TXLUST	FALAHS CONVENIENCE STORE	3640 W Fuqua St	Houston	29.613555	-95.431484
77045-653	TXUST	MANNIES AUTO REPAIR	3420 W Fuqua St	Houston	29.613589	-95.428237
77045-654		TANNERS 433 5193	3540 W Fuqua St	Houston	29.613595	-95.430271
			3540 W Fuqua St	Houston	29.613595	-95.430271
77045-660	RCRA-G	NTIONAL CONTAINER GROUP LL	13131B Alameda Rd	Houston	29.618493	-95.417807
	TXAST	ALL AMERICAN MOVING & STORA	13101 Alameda Rd	Houston	29.619046	-95.4176
77045-660	TXLUST	NATIONAL GYPSUM FACILITY	13131 Alameda Rd	Houston	29.618493	-95.417807
		EXXON 62339	13350 Alameda Rd	Houston	29.6143	-95.4195
77045-660	TXSPILL	EXXON	13350 Alameda Rd	Houston	29.6143	-95.4195
	TXUST	EXXON RS 62339	13350 Alameda Rd	Houston	29.6143	-95.4195
			13350 Alameda Rd	Houston	29.6143	-95.4195
			13350 Alameda Rd	Houston	29.6143	-95.4195
77045-661	TXSPILL	WITCO	3200 Brookfield Dr	Houston	29.615185	-95.421199
77045-669	TXVCP	Muehlstein Houston Plastics Plant	13001 Alameda Rd	Houston	29.620798	-95.416889
77045-999	TXUST	ALMEDA STATION	3030 W Fuqua St	Houston	29.613685	-95.421571
77047	ERNS	DELTA DISTRIBUTERS	TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
			TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
			TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
			14822 HOOPER RD	HOUSTON	29.590954	-95.404656
	NFRAP	SYNTECH	1326 ALMEDA-GENOA RD	HOUSTON	29.613675	-95.402725
	RCRA-G	DOLLAR IRON & METAL	125 SOUTHBELT INDUSTRIAL DR	HOUSTON	29.613	-95.1886
		AQUA PROCESS INC	65 SOUTHBELT INDUSTRIAL DRIVE	HOUSTON		
		C LEE COOK DOVER RESOURCE	25 SOUTHBELT INDUSTRIAL DR	HOUSTON		
	TXLF	SERMATECH INTERNATIONAL IN	E OF ANAGNOST RD	HOUSTON		
	TXLUST	CASCO HAUL EXCAVATING	E OREM	HOUSTON	29.60786	-95.38616
	TXSPILL	QUIK SNAP	E OREM	HOUSTON		
		ALLSTAR REDIMIX INC.	9200 BLOCK OF I-10 WEST	HOUSTON		
		DELTA DISTRIBUTORS	NEAR THE INTERSECTION OF FELL	HOUSTON		
			NORTH BOUND BRIDGE OF LOOP 61	HOUSTON		
		RESEARCH FUMIGATION CO OF	PORT OF BEAUMONT, 1255 MAIN ST	HOUSTON		
		SYNTECH	BEHIND FACILITY AT ABOVE LOCATI	HOUSTON		
			SYNTECH, 14822 HOOPER RD, HOU	HOUSTON		
		SYNTECH CHEMICALS, INC.	SPREAD ONTO NEIGHBORING PRO	HOUSTON	29.590954	-95.404656
77047-110	TXUST	AM MINI MART 23	4110 Airport Blvd	Houston	29.6469	-95.3587
			4110 Airport Blvd	Houston	29.6469	-95.3587
			4110 Airport Blvd	Houston	29.6469	-95.3587
			4110 Airport Blvd	Houston	29.6469	-95.3587
77047-114	TXLUST	GULF OIL CORP 60108020	10315 Cullen Blvd	Houston	29.64718	-95.356072
	TXUST	GULF OIL CORP	10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
77047-114	RCRA-G	PERFORMANCE RESTORATION	10603 Cullen Blvd	Houston	29.644547	-95.356068
77047-114	TXUST	PHILLIPS 66 FOODMART	10600 Cullen Blvd	Houston	29.644558	-95.356164
77047-115		SUNMART 289	10818 Cullen Blvd	Houston	29.64214	-95.356068
			10818 Cullen Blvd	Houston	29.64214	-95.356068
			10818 Cullen Blvd	Houston	29.64214	-95.356068
77047-173	TXLUST	MANNING 66	11100 Cullen Blvd	Houston	29.639157	-95.355961
	TXUST	ONE 223	11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
77047-173	TXLUST	PACIFIC GULF PROPERTY	11226 Cullen Blvd	Houston	29.637667	-95.355919
	TXUST	HFD FIRE STATION 55	11212 Cullen Blvd	Houston	29.637737	-95.355912
			11212 Cullen Blvd	Houston	29.637737	-95.355912
		PACIFIC GULF PROPERTY	11226 Cullen Blvd	Houston	29.637667	-95.355919
			11226 Cullen Blvd	Houston	29.637667	-95.355919
			11226 Cullen Blvd	Houston	29.637667	-95.355919
77047-180		SAVEWAY FOOD MART	11555 Cullen Blvd	Houston	29.634775	-95.355772
			11555 Cullen Blvd	Houston	29.634775	-95.355772
			11555 Cullen Blvd	Houston	29.634775	-95.355772
77047-180		CULLEN SOC WK4128	11510 Cullen Blvd	Houston	29.635171	-95.355868
			11510 Cullen Blvd	Houston	29.635171	-95.355868
77047-190	TXIOP	Tri-State Theaters	11991 South Fwy	Houston	29.6306	-95.3862
77047-191	TXUST	SOUTH FREEWAY TRUCK STOP	12602 South Fwy	Houston	29.6212	-95.3873
			12602 South Fwy	Houston	29.6212	-95.3873
			12602 South Fwy	Houston	29.6212	-95.3873
			12602 South Fwy	Houston	29.6212	-95.3873
77047-192	TXAST	UNITED EQUIPMENT RENTALS G	13213 South Fwy	Houston	29.6124	-95.3862
77047-193		WILLIAMS BROTHERS CONSTRU	13500 South Fwy	Houston	29.6082	-95.3873
77047-273	TXUST	QUIK SNAP	3931 Orem Dr	Houston	29.628619	-95.364451
			3931 Orem Dr	Houston	29.628619	-95.364451
77047-295		CIRCLE J FOOD STORE	12310 Cullen Blvd	Houston	29.628029	-95.35568

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77047-295	TXUST	CIRCLE J FOOD STORE	12310 Cullen Blvd	Houston	29.628029	-95.35568
			12310 Cullen Blvd	Houston	29.628029	-95.35568
77047-300	TXLUST	STOP N GO	102 Almeda Genoa Rd	Houston	29.613496	-95.41973
77047-300	TXAST	BIOMEDICAL RESOURCES FOUN	305 Almeda Genoa Rd	Houston	29.613685	-95.417475
77047-322	TXUST	EAGLE MART 2	13334 Chiswick Rd	Houston	29.614159	-95.40463
			13334 Chiswick Rd	Houston	29.614159	-95.40463
			13334 Chiswick Rd	Houston	29.614159	-95.40463
77047-371		HOUSTON AREA OFFICE	13020 Donegal Way	Houston	29.6216	-95.3601
			13020 Donegal Way	Houston	29.6216	-95.3601
77047-373	TXAST	SOUTHERN CRUSHED CONCRET	3700 Swingle Rd	Houston	29.620972	-95.362943
			3700 Swingle Rd	Houston	29.620972	-95.362943
77047-373	RCRA-G	MORROW EQUIPMENT COMPANY	12941 Cullen Blvd	Houston	29.622072	-95.355472
77047-382	TXLUST	CHEVRON FAC 107974	13303 Cullen Blvd	Houston	29.616434	-95.35537
	TXUST		13303 Cullen Blvd	Houston	29.616434	-95.35537
			13303 Cullen Blvd	Houston	29.616434	-95.35537
			13303 Cullen Blvd	Houston	29.616434	-95.35537
77047-382		AUDREY CHEVRON	13306 Cullen Blvd	Houston	29.616374	-95.355464
			13306 Cullen Blvd	Houston	29.616374	-95.355464
77047-383		AIR SPECIALIST HEATING & AIR C	3615 Almeda Genoa Rd	Houston	29.616669	-95.367505
77047-389		GALIN CORPORATION	13431 Cullen Blvd	Houston	29.614603	-95.355329
			13431 Cullen Blvd	Houston	29.614603	-95.355329
77047-409		MARQUE CORPORATION	13502 Almeda School Rd	Houston	29.611455	-95.417674
77047-420	TXLUST	SIGMOR 917	920 Almeda Genoa Rd	Houston	29.613575	-95.407308
	TXUST		920 Almeda Genoa Rd	Houston	29.613575	-95.407308
			920 Almeda Genoa Rd	Houston	29.613575	-95.407308
77047-420		EXXON CO USA 63313	1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
			1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
			1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
77047-420		US SUPERMARKET 5	1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
77047-441		HI-JO HYDROCARBONS	2116 Almeda Genoa Rd	Houston	29.613775	-95.391129
77047-442	TXSPILL	MOFFITT OIL COMPANY	1826 Almeda Genoa Rd	Houston	29.61369	-95.396322
77047-449	TXLUST	ALPINE AIR INC	2016 Almeda Genoa Rd	Houston	29.613775	-95.392519
	TXUST		2016 Almeda Genoa Rd	Houston	29.613775	-95.392519
77047-460	ERNS	CENTER POINT ENERGY LLC.	3014 Fuqua St	Houston	29.6121	-95.3771
			3014 Fuqua St	Houston	29.6121	-95.3771
77047-480	TXAST	CAMPBELL READY MIX	3935 Schurmier Rd	Houston	29.607785	-95.359022
	TXUST	CONCRETE SERVICES INC	3935 Schurmier Rd	Houston	29.607785	-95.359022
77047-481	TXSPILL	Steele Apart	13701 Cullen Blvd	Houston	29.610632	-95.355238
77047-500	TXUST	IDLEWOOD CO	13806 Almeda School Rd	Houston	29.606201	-95.417474
			13806 Almeda School Rd	Houston	29.606201	-95.417474
77047-510		THE CORNER STORE	555 E Anderson Rd	Houston	29.606438	-95.411892
			555 E Anderson Rd	Houston	29.606438	-95.411892
			555 E Anderson Rd	Houston	29.606438	-95.411892
77047-522	RCRA TSD	ACTION TRUCKING COMPANY	1307 E Anderson Rd	Houston	29.606553	-95.402179
77047-522	TXLF	CASCO HAUL&EXCAVATING CO.	1306 E Anderson Rd	Houston	29.606444	-95.402177
77047-550	TXUST	TOM BASS REGIONAL PARKS SE	3452 Fellows Rd	Houston	29.593611	-95.367817
			3452 Fellows Rd	Houston	29.593611	-95.367817
77047-570		TIMEMART 12	14455 Cullen Blvd	Houston	29.6	-95.3535
			14455 Cullen Blvd	Houston	29.6	-95.3535
77047-600		COASTAL EQUIPMENT	100 Fellows Rd	Houston	29.598943	-95.425065
77047-600		COMPRESSOR DYNAMICS INC	104 Riley Rd	Houston	29.5917	-95.4198
			104 Riley Rd	Houston	29.5917	-95.4198
			104 Riley Rd	Houston	29.5917	-95.4198
77047-611		M & M LUMBER CO INC	630 Riley Rd	Houston	29.5918	-95.4101
77047-612	TXLF	ROCKBURN CORPORATION	629 Riley Rd	Houston	29.5918	-95.4113
77047-620	RCRA-G	PRO PUMP & REPAIR	1102 Fellows Rd	Houston	29.598975	-95.404815
77047-630	TXAST	DORSETT BROTHERS CONCRET	2020 Fellows Rd	Houston	29.599115	-95.387406
			2020 Fellows Rd	Houston	29.599115	-95.387406
77047-671	TXUST	TOM BASS III PARK	15050 Cullen Blvd	Houston	29.589793	-95.352232
			15050 Cullen Blvd	Houston	29.589793	-95.352232
77047-700	RCRA TSD	BARTRAN CORPORATION	14710 Park Almeda Dr	Houston	29.591542	-95.42044
77047-701	RCRA-G	NATIONAL SERVICE CENTER	16702 Buffalo Speedway	Houston	29.5869	-95.4226
77047-710	TXAST	DORSETT BROTHERS CONCRET	14699 Almeda School Rd	Houston	29.591903	-95.417078
77047-713		ARDCO INDUSTRIES	322 Riley Rd	Houston	29.5917	-95.4147
	TXUST		322 Riley Rd	Houston	29.5917	-95.4147
77047-731	RCRA-G	BRENNTAG SOUTHWEST INC	14826 Hooper Rd	Houston	29.590807	-95.404654
	TXAST	DELTA DISTRIBUTORS INC	14826 Hooper Rd	Houston	29.590807	-95.404654
			14826 Hooper Rd	Houston	29.590807	-95.404654
			14826 Hooper Rd	Houston	29.590807	-95.404654
	TXSPILL	DELTA SOLVENTS AND CHEMICA	14826 Hooper Rd	Houston	29.590807	-95.404654
		SYNTECH	14822 Hooper Rd	Houston	29.590954	-95.404656
			14822 Hooper Rd # 77047	Houston	29.590954	-95.404656

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77047-731	TXVCP	Syntech Chemicals, Inc.	14822 Hooper Rd	Houston	29.590954	-95.404656

Appendix II

Aerial Photography



Historic Aerial Photo Search

for the site

12524 Mandalay Way, Harris County, TX

performed for

TLC Engineering

7/27/2005

Photos Found

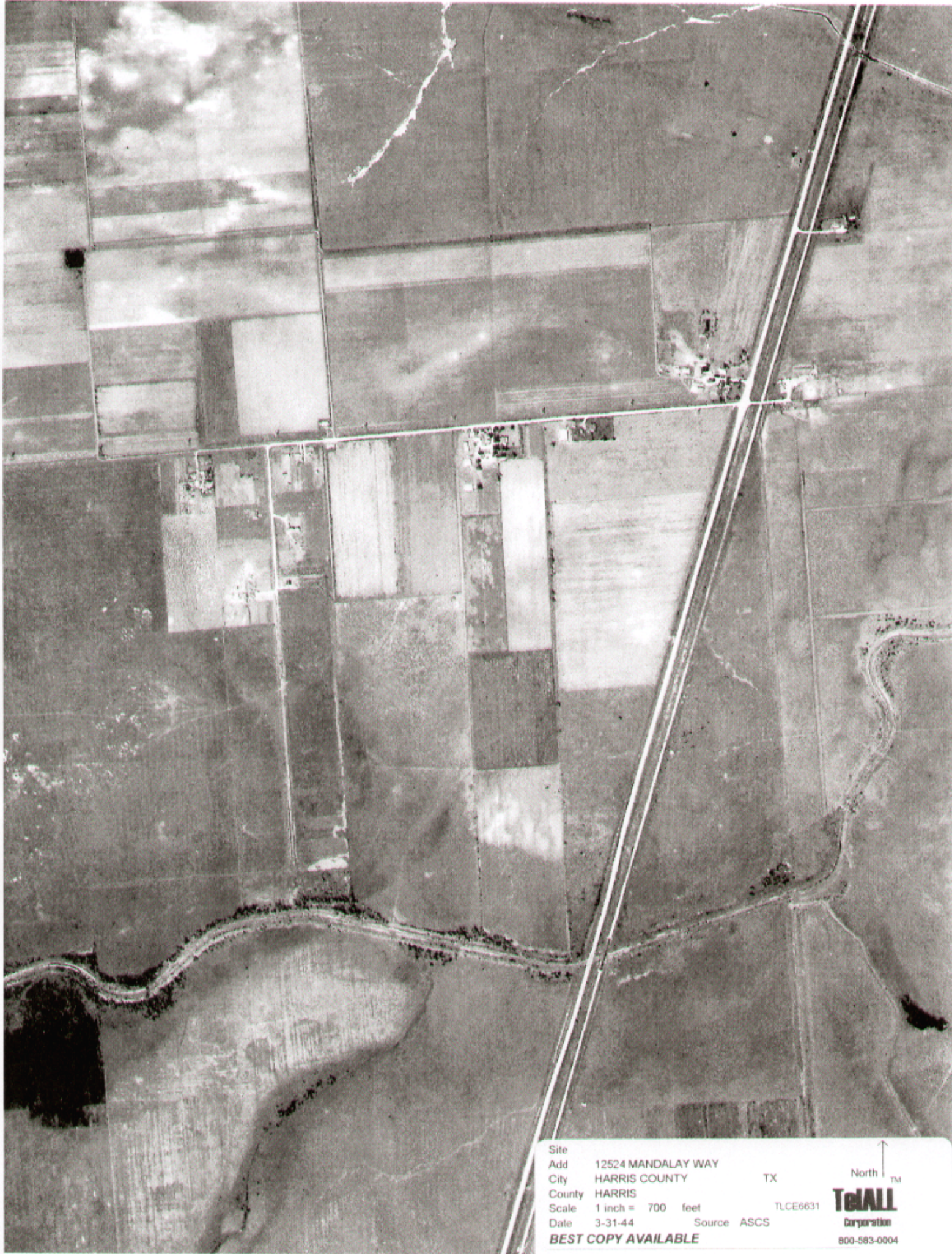
Date	County	Source	Scale	Researcher Comment
2002	HARRIS	HGACOG	1 inch = 700 feet	
2-95	HARRIS	USGS	1 inch = 700 feet	
10-9-89	HARRIS	TXDOT	1 inch = 700 feet	BEST COPY AVAILABLE
3-25-79	HARRIS	TXDOT	1 inch = 700 feet	BEST COPY AVAILABLE
2-21-69	HARRIS	WALLACE ZIN	1 inch = 700 feet	
4-25-53	HARRIS	ASCS	1 inch = 700 feet	
3-31-44	HARRIS	ASCS	1 inch = 700 feet	BEST COPY AVAILABLE

AERIAL PHOTO SOURCE ACRONYMS

ASCS	AGRICULTURAL STABILIZATION CONSERVATION SERVICE	TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
FAIRCHILD	PRIVATE COMPANY	USAF	UNITED STATES AIR FORCE
GLO	GENERAL LAND OFFICE	USDA	UNITED STATES DEPARTMENT OF AGRICULTURE
TOBIN	PRIVATE COMPANY	USGS	UNITED STATES GEOLOGICAL SURVEY
AMS	ARMY MAPPING SERVICE	WALLACE	PRIVATE COMPANY
COSA	CITY OF SAN ANTONIO	HGACOG	HOUSTON AREA COUNCIL GALVESTON
NCTCOG	NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS	TELALL	PRIVATE COMPANY
CAPCO	CAPITOL AREA PLANNING COUNCIL		

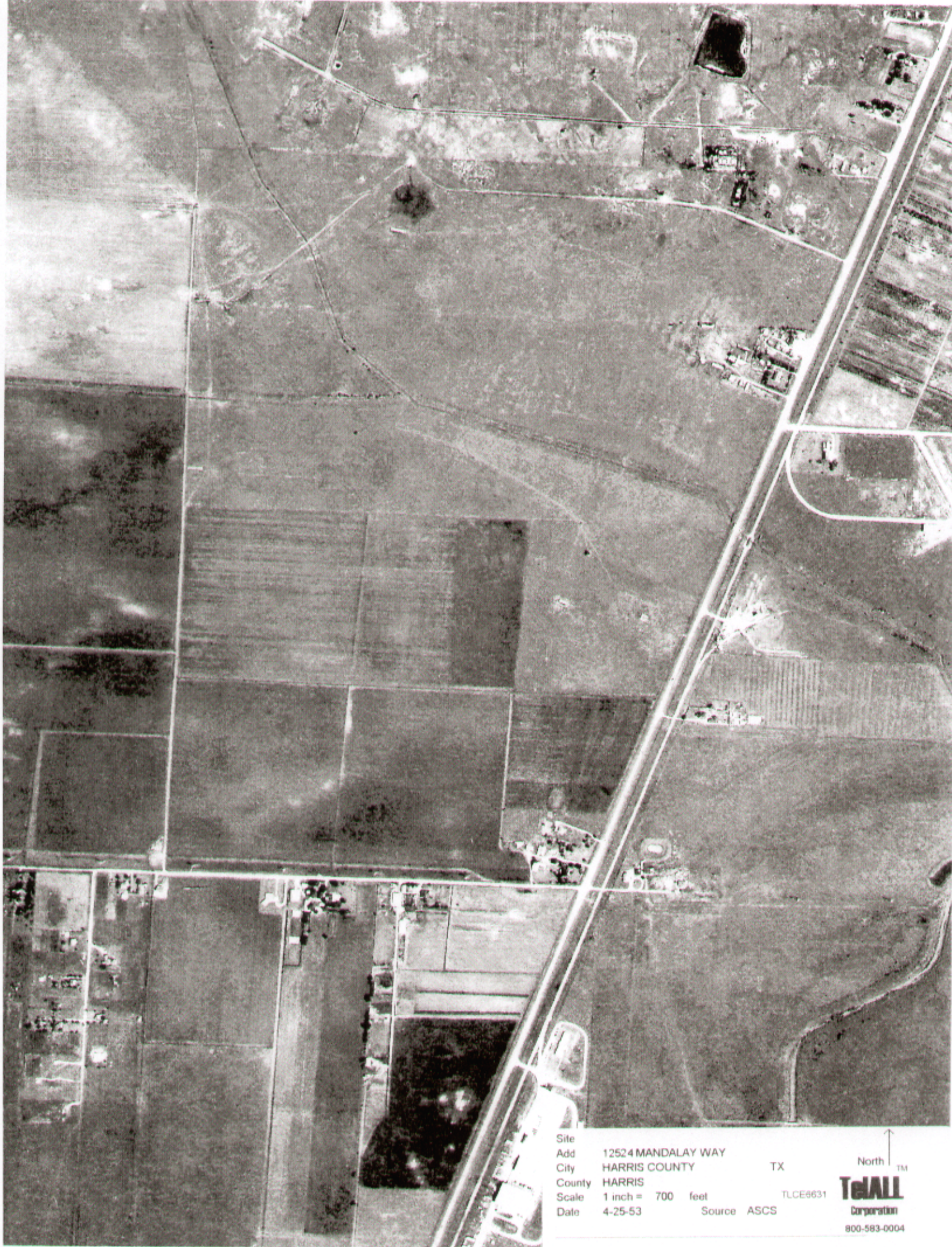
TLCE6631





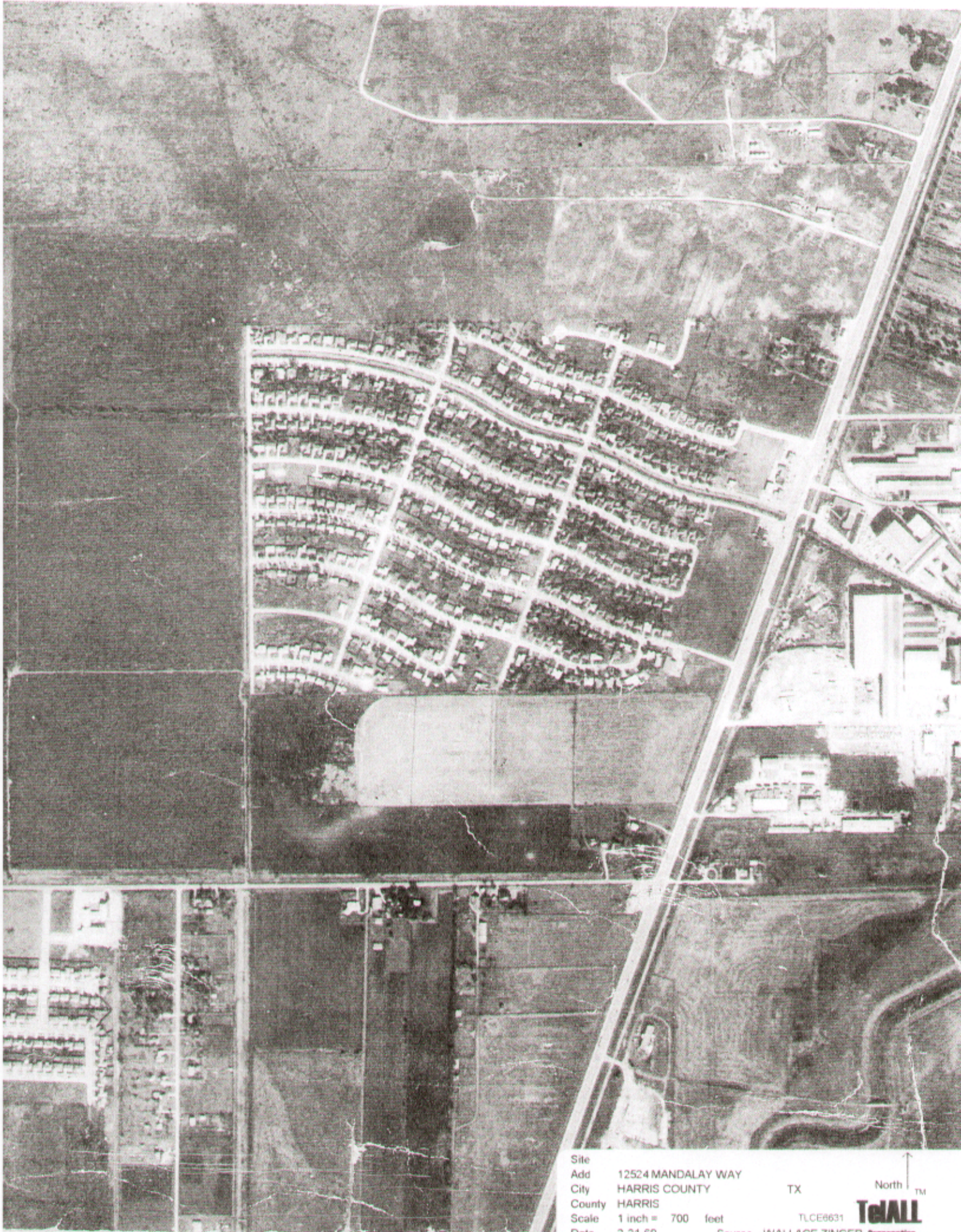
Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6631
Date 3-31-44 Source ASCS
BEST COPY AVAILABLE

North ↑
TelALL
Corporation
800-583-0004



Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6631
Date 4-25-53 Source ASCS

North
TM
Tetall
Corporation
800-583-0004



Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet
Date 2-21-69

Source WALLACE ZINGER Corporation

North
TM
TdALL
800-583-0004



Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet
Date 3-25-79 Source TXDOT

BEST COPY AVAILABLE

TLCE6631

North
TelALL
Corporation
800-583-0004

Site 12524 MANDALAY WAY
Add HARRIS COUNTY TX
City HARRIS
County HARRIS
Scale 1 inch = 700 feet TLCE6631
Date 10-9-89 Source TXDOT
BEST COPY AVAILABLE

North
TM
TdALL
Corporation
800-583-0004





Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6631
Date 2-95 Source USGS

North ↑
Toll
Corporation
800-583-0004



Site
Add 12524 MANDALAY WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6631
Date 2002 Source HGACOG

North TM
Tell
Corporation
800-583-0004

Appendix III

Supplemental Data

HARRIS COUNTY APPRAISAL MAPS

HFD HAZMAT DATA

CITY OF HOUSTON ECRE

City Telephone Directory Search-12524 Mandalay Way

1960	1965	1970
12519-R	12519-R	12519-R
12523-V	12523-R	12523-R

R-Residential

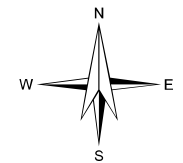
V-Vacancy

HARRIS COUNTY APPRAISAL MAPS

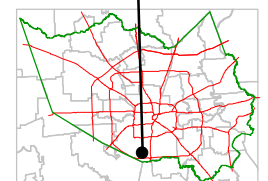
Harris County Appraisal District



0 100 200
PUBLICATION DATE:
4/26/2005

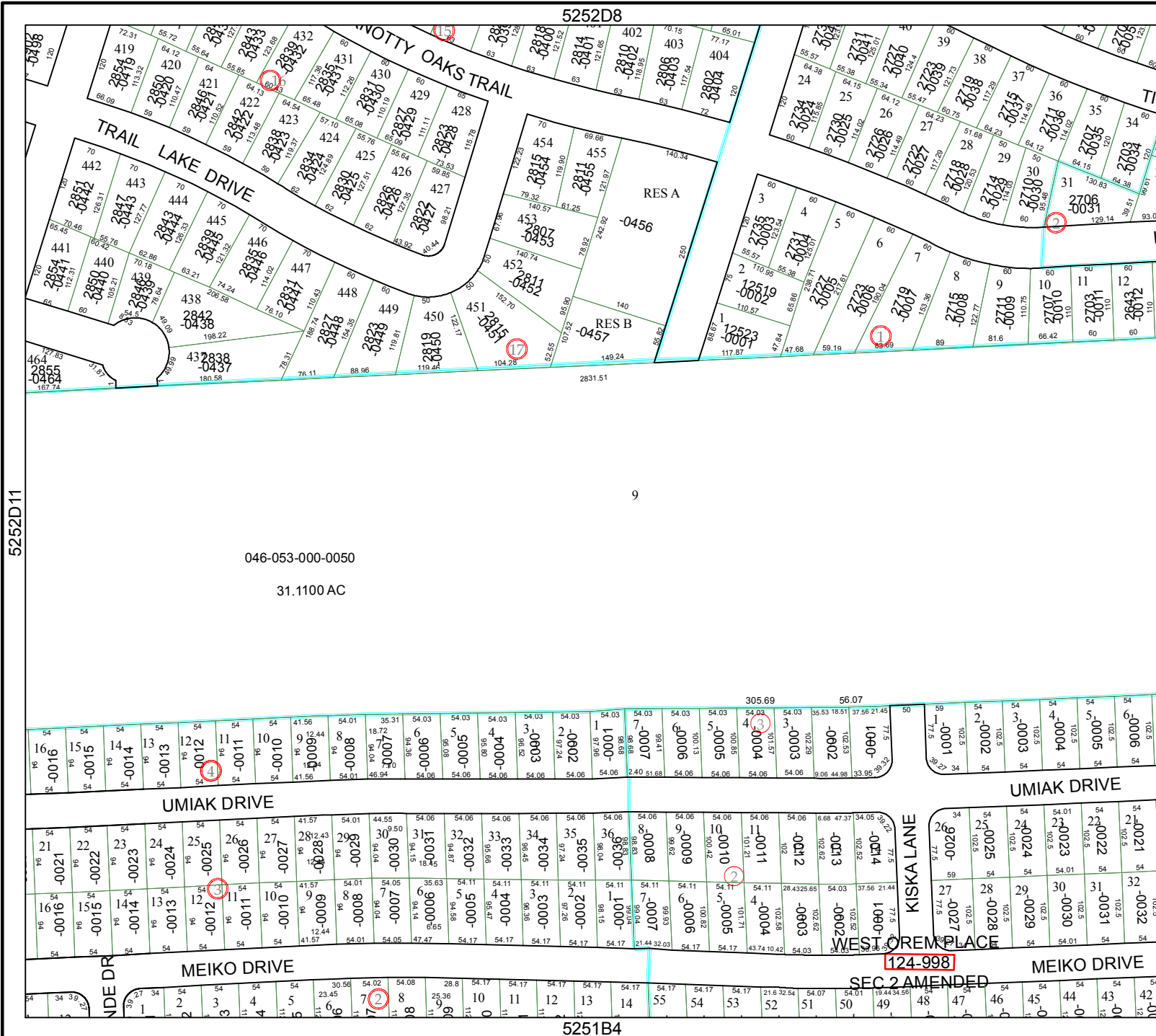


MAP LOCATION



FACET 5252D

1	2	3	4
5	6	7	8
9	10	11	12



12524 Mandalay Way

HFD HAZMAT DATA

011102266 - 11/02/01 - 3100 Laura Koppe - Suspicious Substance - No Release
011110181 - 11/10/01 - 3100 Laura Koppe - (Turn around) -

020119226 - 01/19/02 - 3300 Laura Koppe - (Turn around) -
020428057 - 04/28/02 - 3100 Laura Koppe - Gasoline - 45 gal

030514726 - 05/14/03 - 2300 Berry - (Turn around) -
030611002 - 06/11/03 - 3009 Hohl - (Turn around) -
0311040541 - 11/04/03 - 2400 Berry Rd. - (Turn around) -

0401140628 - 01/14/04 - 8400 Jensen Dr. - (Turn around) -

End search: 18:56:07 (1 mins., 11 secs.) 7/15/2005 18:56:18
Search ID #002728: Key Map coordinate 453H

950627084 - 06/27/95 - 3209 N. Shepherd - (Turn around) -
950627087 - 06/27/95 - 2019 Firnat - Gasoline - 4 gal

961012319 - 10/12/96 - 1408 Firnat - (Turn around) -

970524638 - 05/24/97 - 1313 Sadler - (Turn around) -
970613135 - 06/13/97 - 1217 Sadler - (Turn around) -
970714483 - 07/14/97 - 8618 Hardy Toll Rd. - (Turn around) -

No incidents in Key Map coordinate 453H during 1998.

No incidents in Key Map coordinate 453H during 1999.

No incidents in Key Map coordinate 453H during 2000.

010318411 03/18/01 - 1221 Charnwood - (Turn around) -

No incidents in Key Map coordinate 453H during 2002.

No incidents in Key Map coordinate 453H during 2003.

No incidents in Key Map coordinate 453H during 2004.

End search: 18:57:02 (0 mins., 44 secs.) 7/15/2005 - 18:57:16
Search ID #002729: Key Map coordinate 572L

No incidents in Key Map coordinate 572L during 1995.

960228034 - 02/28/96 - 12701 Alameda - (Turn around) -

Mandalay

970712451 - 07/12/97 - 2718 Tidewater - (Turn around) -
971209425 - 12/09/97 - 2842 Alameda Plaza - (Turn around) -

No incidents in Key Map coordinate 572L during 1998.

990204015 - 02/04/99 - 12701 Alameda - Natural Gas - Undetrmd Amt

000330046 - 03/30/00 - 12311 Robin - Paint Related Material, flammable liquid; Hazardous Waste, liquid, n.o.s. - Undetrmd Amt; Undetrmd amt

010117089 - 01/17/01 - 12319 Alameda - (Turn around) -

No incidents in Key Map coordinate 572L during 2002.

030619141 - 06/19/03 - 12400 Alameda - Natural Gas - Undetrmd Amt

0309250126 - 09/25/03 - 12400 Alameda Rd. - (Turn around) -

0408170593 - 08/17/04 - 2823 Knotty Oaks - (Turn around) -

End search: 18:58:10 (0 mins., 54 secs.) 7/15/2005

19:00:01

Search ID #002730: Key Map coordinate 576N

Thurington

No incidents in Key Map coordinate 576N during 1995.

No incidents in Key Map coordinate 576N during 1996.

No incidents in Key Map coordinate 576N during 1997.

No incidents in Key Map coordinate 576N during 1998.

No incidents in Key Map coordinate 576N during 1999.

000805313 - 08/05/00 - 10101 Alameda Genoa - Natural Gas - Undetrmd Amt

001104055 - 11/04/00 - 9988 Windmill Lakes - (Turn around) -

No incidents in Key Map coordinate 576N during 2001.

020717002 - 07/17/02 - 9988 Windmill Lakes - (Turn around) -

0311180797 - 11/18/03 - 9922 Windmill Lakes - (Turn around) -

0407300160 - 07/30/04 - 9800 Rowlett - (Turn around) -

0408030219 - 08/03/04 - 10100 Alameda Genoa Rd. - (Turn around)

0409060454 - 09/06/04 - 9700 WINDMILL LAKES - (Turn around)

0409270661 - 09/27/04 - 9750 WINDWATER - (Turn around) -

CITY OF HOUSTON ECRE

SUBJECT: ENVIRONMENTAL SITE ASSESSMENTS PHASE I

1. PURPOSE

This procedure provides guidelines for conducting Phase I Environmental Site Assessments for land involved in City of Houston real estate transactions, inter-departmental transfers, or construction projects, as well as rights-of-way which will be involved in City of Houston construction projects.

2. APPLICATION

This procedure is to be used by all divisions involved in engineering/design, real estate, construction management, and also City consultants and subconsultants.

3. OBJECTIVE

The objective of this procedure when used for real estate transactions is to discover any existing potential adverse environmental conditions consisting of the presence of hazardous substances or petroleum products on the property in question and adjacent properties, prior to the transaction.

For construction projects, the objective is to document environmental conditions of construction zones and areas immediately adjacent to the construction zone that could impact the design, construction or performance of a proposed construction project, prior to the design of the project and the solicitation of the bids.

4. BACKGROUND

Since 1994, the City has maintained the policy of requiring that a Phase I Environmental Site Assessment (ESA) be conducted on property to be acquired and on construction projects involving excavation or installation of underground utilities located in City rights-of-way. Some of the ESAs were performed in-house by City personnel and others were performed by private consulting firms working under contract to the City or as a subcontractor. Previous standards and guidelines for ESAs developed by the City have relied upon generally accepted, industry standard practices or upon the Standard Practice developed by the American Society for Testing and Materials (ASTM), first published in 1993 and subsequently revised in 1994 and 1997.

As time has progressed, it has become evident that in certain situations additional information beyond the minimum required in the ASTM Standard is appropriate. Other situations suggest that the ASTM Standard requirements are excessive for certain types of projects. In order to provide guidance to those persons and firms

conducting Phase I ESAs for the City, this Standard Practice categorizes the various types of projects that require a Phase I ESA and sets a minimum scope of work for the ESA.

5. PROCEDURES

Below are the minimum scopes of work for Phase I ESA for (A) property to be acquired by the City; (B) property involved in divestitures and inter-departmental transfers; and (C) City construction projects. If a project will involve the acquisition of an additional easement for a right-of-way and construction in that right-of-way (e.g., the acquisition of curb cuts for a street widening project), the project shall be treated as a construction project and subject to Section C below.

- A. A Phase I ESA on property to be acquired by the City should conform to the ASTM Standard Practice E 1 627-97 with the following additions:
- 1) The sources of historical data reviewed for a site shall include, at a minimum, historic aerial photographs, fire insurance maps (where available), local city street directories (where available), and recorded land title records (Chain of Title). Applicable copies of these sources shall be presented in the report. One aerial photograph for approximately every five years from approximately 1950 to the present shall be obtained of an appropriate scale (if available) to clearly indicate site detail. Sites inside the IH-610 Loop shall have property usage identified from the present, back a minimum of 100 years, or to the property's obvious first development, whichever is earlier.
 - 2) If regulatory records indicate that Leaking Petroleum Storage Tank (LPST) or state superfund facilities are located within 500 feet of the site, the latest comprehensive assessment or monitoring report maintained on the facility by the Texas Natural Resource Conservation Commission (TNRCC) shall be reviewed and summarized in the ESA report. All records reviewed shall be conducted during the Phase I ESA. (Files may be ordered for express delivery from the TNRCC Central Records at 512-239-2927.)
 - 3) If regulatory records indicate that a federal superfund facility is located within approximately 1/4 mile of the site¹ the files maintained on that facility by the public library shall be reviewed and summarized in the ESA report. (Files are available in the Government Documents Section of the Central Houston Public Library¹ 500 McKinney, Houston.)
 - 4) The TNRCC's Voluntary Cleanup Program database shall be searched

for facilities that are located within approximately 1/4 mile of the site.
(The database is regularly updated and is accessible on the Internet at <http://www.tnrcc.state.tx.us/lwaste/pcd/vcp/index.html#database>)

- 5) If buildings or structures are located on the site which were built before 1960, the ESA shall include a statement from a qualified asbestos/lead professional giving a list of observed suspect asbestos-containing materials and lead-based painted surfaces. If materials generally known to be asbestos or lead containing (i.e.: 9" x 9" floor tiles, transite panels, or floor paint striping) are observed, specific mention should be made with quantities estimated.
- 6) If the site includes undeveloped property which will be developed¹ available wetlands maps shall be obtained and reviewed, the presence of hydric soil types shall be reviewed using published information, and the presence of standing or flowing water shall be investigated during the site inspection. The environmental professional shall make a statement in the report concerning the potential for the presence of wetlands on the site and whether a full wetlands determination or delineation is recommended.
- 7) In addition to the interviews required in the ASTM Standard Practice, interviews shall also be conducted with owners or occupants of off-site facilities within 500 feet of the site as follows:
 - a) All commercial businesses that typically use hazardous chemicals or petroleum substances, such as dry cleaners, photo developers, mortuaries, and automotive service centers.
 - b) Selected or representative commercial establishments that do not typically use hazardous chemicals or petroleum substances,
 - c) All facilities identified in the regulatory records review, and
 - d) All industrial facilities.
- 8) If the site is in an area of known oil and gas production operations a record search for oil and gas exploration and production wells on or adjacent to the site shall be included In the ESA.
- 9) The environmental professional who conducted the ESA shall make recommendations for Phase II testing, as appropriate which shall be thorough enough to support a Phase II ESA.

- B Phase I Environmental Site Assessments On property involved in divestitures or Inter-departmental transfers may conform to the ASTM Standard Practice for Transaction Screen Process, E 1528-96, if the property has a low profile and low potential for adverse environmental impact, such as excess vacant property located in a residential area. Property involved in divestitures or inter-departmental transfers that are high profile and/or have a higher potential for adverse environmental impacts, such as developed property in a commercial or industrial area, should utilize ASTM Standard Practice E 1527 97 with the additions listed above In Section A,1) through 9).
- C Phase I Environmental Site Assessments on rights-of-way which will be involved in City construction projects shall conform to the ASTM Standard Practice E 1527-97 with the following reductions (Item 1) and additions (Items 2 through 8):
- 1) The approximate minimum search distance for Standard Environmental Record Sources, except for Federal National Priorities List (NPL), Federal RCRA TSD Facilities, and Texas Hazardous Waste Sites (HWS) may be reduced, pursuant to ASTM E 1527-97 7.1.2.1, to a radius of 500 feet unless there is a justifiable reason to maintain a larger radius. The minimum search distance for Federal NPL, Federal RCRA TSD and Texas HWS facilities shall be maintained at the ASTM specified distance of 1.0 mile. *(The reduction is reasonable In light of the geological characteristics found In Houston, and the focus of the ESA being discovery of potential shallow contaminants in corridor construction zones.)*
 - 2) The sources of historical data reviewed for a project shall include, at a minimum, historic aerial photographs, fire insurance maps (where available), and local city street directories (where available). Applicable copies of these sources shall be presented in the report. (Review of land title records or a Chain of Title is not required since no property is being acquired).
 - 3) If the regulatory records indicate that Leaking Petroleum Storage Tank (I-PST) or state superfund facilities are located within 500 feet of the site, the latest comprehensive assessment or monitoring report maintained on the facility by the Texas Natural Resource Conservation Commission (TNRCC) shall be reviewed and summarized in the ESA report. All records reviewed shall be conducted during the Phase I ESA. (Files may be ordered for express delivery from the TNRCC Central Records at 512-239-2927.)

- 4) If regulatory records indicate that a federal superfund facility is located within approximately ¼ mile of the site, the files maintained on that facility by the public library shall be reviewed and summarized in the ESA report. (Files are available in the Government Documents Section of the Central Houston Public Library, 500 McKinney, Houston.)
- 5) The TNRCC's Voluntary Cleanup Program database shall be searched or facilities located within approximately 500 feet of the right-of-way, (The database is regularly updated and is accessible on the Internet at <http://www.tnrcc.state.tx.us/waste/pcd/vcp/index.html#database>)
- 6) Interviews shall be conducted with owners or occupants of facilities directly adjacent to the right-of-way as follows:
 - a) All commercial businesses that typically use hazardous chemicals of petroleum substances, such as dry cleaners, photo developers mortuaries, and automotive service centers,
 - b) Selected or representative commercial establishments that do not typically use hazardous chemicals or petroleum substances,
 - c) All facilities identified in the regulatory records review, and
 - d) All Industrial facilities.
- 7) If the site is in an area of known oil and gas production operations, an oil and gas survey shall be included in the ESA.
- 8) The environmental professional who conducted the ESA shall make recommendations for Phase II testing, as appropriate, which shall be thorough enough to support a Phase II ESA.

6. ADMINISTRATIVE CONTROLS

- A. Maintenance Responsibility - Responsibility for updating this procedure is assigned to the Environmental Engineering Section of the Facilities Division.
- B. Filing Procedures - This procedure is to be filed numerically with other Standard Practices in the Project Manager's Manual and in the ECRE Procedures Manual.